

STIC-Biotech/ChemLib

144685

From: Bowman, Amy
Sent: Wednesday, February 09, 2005 9:04 AM
To: STIC-Biotech/ChemLib
Subject: sequence search-~~10/820,720~~ 10/820820

Please search SEQ ID NO: 4 in application 10/820,820, length limited to 150 nucleotides.

Thank you,
Amy Bowman
AU 1635

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2-_____
Date Searcher Picked up: 2/9/05
Date Completed: 2/9/05
Searcher Prep/Rev Time: _____
Online Time: _____

Type of Search /
NA Sequence: # _____
AA Sequence: # _____
Structure: # _____
Bibliographic: _____
Litigation: _____
Patent Family: _____
Other: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: ADT
WWW/Internet: _____
Other(Specify): _____

Db	61	TTCGAAACCGGGCCGGAAACAAGACAGTGCCTTTT	95
RESULT 2			
LOCUS	AX138447		95 bp RNA linear PAT 30-MAY-2001
DEFINITION	Sequence 8 from Patent EP1097993.		
ACCSSION	AX138447		
VERSION	AX138447.1	GI:14274343	
KEYWORDS			
SOURCE			
ORGANISM			
REFERENCE			
AUTHORS			
TITLE			
JOURNAL			
FEATURES			
SOURCE			
ORIGIN			
Query Match			
Base Local Similarity	100.0%; Score 95; DB 6; Length 95;		
Matches	72; Conservative 23; Mismatches 0; Indels 0; Gaps 0;		
Oy	1 ACCGUGUUCUCCGUAGUGUAUGUGUNUACAAGUCCGCCUACACGGCAAAAGUCCCCCG 60		
Dd	1 ACCTGTGGTTCCGTAAGTAGTGATATACAGCTTCGGCCTAACACGCAAGTATCCCGG 60		
Oy	61 UUCGAAACCGGGCCGGAACCAAAGACAGUCGCUUU 95		
Dd	61 TTCGAAACCGGGCCGGAACCAAAGACAGTGCCTTTT 95		
RESULT 3			
LOCUS	BD015615	95 bp RNA linear PAT 27-AUG-2002	
DEFINITION	Slidable functional chimeric molecule.		
ACCSSION	BD015615		
VERSION	BD015615.1	GI:22556752	
KEYWORDS	JP 2001190282-A/8.		
SOURCE			
ORGANISM			
REFERENCE			
AUTHORS			
TITLE			
JOURNAL			
COMMENT			
OS			
PN			
PD			
PF			
PI			
KAZUNARI TAIRA,MASAKI WARASHINA,TOMOKO KUWABARA,HIROAKI FI			
KAWASAKI			
PC			
C12N15/09,A61K31/7105,A61K31/711,A61K38/00,A61K48/00,A61P31/12, PC			
A61P43/00,			
PC C12N9/22,C12Q1/02,C12Q1/68,G01N33/53,G01N33/566,C12N15/00, PC			
A61K37/02			
CC Description of Artificial Sequence: the			
nucleotide sequence of			
the			
transcript of the human placental tRNAVal			
Key Location/Qualifiers			

[illegible]

Qy	1	ACCGUGUGUUCGUAAGUAGUGUUAUCGUGCGCUAACAACGCGAAAGUCCCCGG	60
Db	1	ACCGTGGATTCCATAGTATGTGTATATACGTTCCCTTACACGCGAAGATCCCCGG	60
Qy	61	UUCGAAACCGGCGCGAAACAAGAACA	86
Db	61	TTCGAAACCGGCGACTACAAAACCA	86
RESULT 9			
LOCUS	AX453846	88 bp	RNA
DEFINITION	Sequence 5 from Patent EP1213351.	linear	PAT 06-JUL-2002
ACCESSION	AX453846		
VERSION	AX453846.1	GI:21713515	
KEYWORDS			
SOURCE			
ORGANISM			
REFERENCE			
AUTHORS	1	synthetic construct	
TITLE	other sequences; artificial sequences.		
JOURNAL	1	Taira, K., Warashina, M. and Warashina, T.	
		Nucleic acid enzymes acquiring an activity for cleaving a target	
		rna by recognising another molecule	
		Patent: EP 1213351-A 5 12-JUN-2002;	
		National Institute of Advanced Industrial Science and Technology	
		(JP)	
FEATURES			
source		Location/Qualifiers	
		1..88	
		/organism="synthetic construct"	
		/mol_type="unassigned RNA"	
		/db_xref="taxon:32630"	
		/note="rRNAval promoter sequence"	
ORIGIN			
Query Match		78.7%; Score 74.8; DB 6; Length 88;	
Beat Local Similarity		70.9%; Pred. No. 9.5e-15;	
Matches	61; Conservative	18; Mismatches	7; Indels 0; Gaps 0;
Qy	1	ACCGUGUGUUCGUAAGUAGUGUUAUCGUGCGCUAACAACGCGAAAGUCCCCGG	60
Db	1	ACCGTGGATTCCATAGTATGTGTATATACGTTCCCTTACACGCGAAGATCCCCGG	60
Qy	61	UUCGAAACCGGCGCGAAACAAGAACA	86
Db	61	TTCGAAACCGGCGACTACAAAACCA	86
RESULT 10			
LOCUS	E47174	100 bp	DNA
DEFINITION	Method for selecting active ribozyme.	linear	PAT 27-AUG-2002
ACCESSION	E47174		
VERSION	E47174.1	GI:22553362	
KEYWORDS	JP 2001128682-A/9.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
TITLE	1 (bases 1 to 100)		
JOURNAL	Tabira, K. and Kawasaki, H.		
	Method for selecting active ribozyme		
	Patent: JP 2001128682-A 9 15-MAY-2001;		
	AGENCY OF IND SCIENCE & TECHNOL		
COMMENT	OS Homo sapiens (human)		
	PN JP 2001128682-A/9		
	PD 15-MAY-2001		
	PF 05-NOV-1999	JP 1999314579	
	PI KAZUARI TABIRA, HIROAKI KAWASAKI		
	PC C12N5/09, C12Q1/68//C12N5/10, C12N5/00, C12N5/00 CC		
	Key	Location/Qualifiers.	
FEATURES			
source		Location/Qualifiers	
		1..100	

[illegible]

KEYWORDS	JP 2002125685-A/2.
SOURCE	synthetic construct
ORGANISM	synthetic construct
REFERENCE	other sequences; artificial sequences.
AUTHORS	1 (bases 1 to 137)
TITLE	Taira, K. and Sano, M.
JOURNAL	Method of selecting high-function nucleic acid molecule in cell
COMMENT	Patent: JP 2002125685-A 2 08-MAY-2002; DIRECTOR GENERAL OF NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND HIROSHI YATSUSHASHI, TECHNOLOGY, KAZUNARI TAIRA OS Artificial Sequence PN JP 2002125685-A/2 PD 08-MAY-2002 JP 2000331347 PF 30-OCT-2000 JP 2000331347 PI KAZUNARI TAIRA, MASAYUKI SANO PC C12N15/09, C12N9/00, C12Q1/02, C12Q1/25, C12Q1/68, C12N15/00 CC Description of Artificial Sequence: Sequence of tRNA-Luc GUA CC Rz
FEATURES	<p>FM Key Location/Qualifiers</p> <p>FT source 1..137</p> <p>FT Location/Qualifiers</p> <p>1..137</p> <p>/organism="Artificial Sequence".</p> <p>/organism="synthetic construct"</p> <p>/mol_type="genomic RNA"</p> <p>/db_xref="taxon:32630"</p>
ORIGIN	
Query Match	78.7%; Score 74.8; DB 6; Length 137;
Best Local Similarity	70.9%; Pred. No. 9.5e-15;
Matches	61; Conservative 18; Mismatches 7; Indels 0; Gaps 0;
Qy	1 ACCGUGGUGUUGCCGUAAGUGUAGUGUUNUACAAGUUGCGCCUACACGCCGAAAGGUGCCCGG 60
Db	1 ACCGTTGGTTTCCGTAAGTAGTGTTATACAGTTCCGCTTAACACGCCGAAAGGTTCCCGG 60
Qy	61 UUCGAAACCGGCGCGGAAACAAGACA 86
Db	61 TTCGAAACCGGCGGCACTACAAAACA 86
RESULT 13	
LOCUS	AX429079 137 bp RNA linear PAT 21-JUN-2002
DEFINITION	Sequence 2 from Patent EP1201251.
ACCESSION	AX429079
VERSION	AX429079.1 GI:21540419
KEYWORDS	synthetic construct
SOURCE	synthetic construct
ORGANISM	other sequences; artificial sequences.
REFERENCE	1
AUTHORS	Taira, K. and Sano, M.
TITLE	Method for selecting highly functional nucleic acid molecules
JOURNAL	Patent: EP 1201751-A 2 02-MAY-2002;
COMMENT	National Institute of Advanced Industrial Science and Technology
FEATURES	<p>(UT)</p> <p>Location/Qualifiers</p> <p>1..137</p> <p>/organism="synthetic construct"</p> <p>/mol_type="unassigned RNA"</p> <p>/db_xref="taxon:32630"</p> <p>/note="Sequence of tRNA-Luc GUA Rz"</p>
ORIGIN	
Query Match	78.7%; Score 74.8; DB 6; Length 137;
Best Local Similarity	70.9%; Pred. No. 9.5e-15;
Matches	61; Conservative 18; Mismatches 7; Indels 0; Gaps 0;
Qy	1 ACCGUGGUGUUGCCGUAAGUGUAGUGUUNUACAAGUUGCGCCUACACGCCGAAAGGUGCCCGG 60
Db	1 ACCGTTGGTTTCCGTAAGTAGTGTTATACAGTTCCGCTTAACACGCCGAAAGGTTCCCGG 60

[illegible]

Tue Feb 22 13:22:41 2005

us-10-820-820-4.rge

ପୃଷ୍ଠା 6

[illegible]

Search completed: February 18, 2005, 22:02:39
Job time : 1459 secs


```
/ STREET: 201 NORTH FIGUEROA STREET
/ CITY: LOS ANGELES
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 90012
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US94/05700
/ FILING DATE: 17 MAY 1994
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: BERLINER, ROBERT
/ REGISTRATION NUMBER: 20,121
/ REFERENCE/DOCKET NUMBER: 5555-209
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 213-977-1001
/ TELEFAX: 213-977-1003
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 133 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 97
/ OTHER INFORMATION: /note="W" = INTERNAL NUCLEOTIDE
/ OTHER INFORMATION: SEQUENCE"
/ PCT-US94-05700-17

Query Match      83.2%; Score 79; DB 5; Length 133;
Best Local Similarity 67.4%; Pred. No. 3,7e-21;
Matches 64; Conservative 21; Mismatches 10; Indels 0; Gaps 0;

QY 1 ACCGUGUUCGUGUGUAGUGUUAUCAGUCGCUAACACGGGAAAGUCCCGG 60
   |||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB 11 ACCGTTGGTTTCGTAAGTGTATATCAGCTGCCTCACCGGAGCGTCCCGG 70
   ::|||:::|||||:::|||||:::|||||:::|||||:::|||||

QY 61 UUCGAAACCGGCGGGAACAAGACAGUCGCUUU 95
   ::|||:::|||||:::|||||:::|||||:::|||||
DB 71 TTCGAAACCGGCGGGAACAAGATCCWAGCGCTTT 105
   ::|||:::|||||:::|||||:::|||||:::|||||

RESULT 3
US-08-245-742A-17
/ Sequence 17, Application US/08245742A
/ Patent No. 5670361
/ GENERAL INFORMATION:
/ APPLICANT: Wong-Staal, Flossie
/ APPLICANT: Yu, Mang
/ APPLICANT: Yamada, Osamu
/ APPLICANT: Ojwang, Joshua O.
/ APPLICANT: Leavitt, Mark
/ APPLICANT: Ho, Anthony
/ TITLE OF INVENTION: Ribozyme Gene Therapy for HIV Infection
/ TITLE OF INVENTION: and AIDS
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew
/ STREET: One Market Plaza, Stewart Street Tower
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94105-1492
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ FILING DATE: 05-JUN-1995
/ CLASSIFICATION: 514
```

```
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/245,742A
/ FILING DATE: 17-MAY-1994
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/062,465
/ FILING DATE: 17-MAY-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weber, Kenneth A.
/ REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 2307E-567-10
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 543-9600
/ TELEFAX: (415) 543-5043
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 132 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: (96*97)
/ OTHER INFORMATION: /note="insertion location of
/ OTHER INFORMATION: foreign gene in pol III
/ OTHER INFORMATION: transcription cassette in
/ OTHER INFORMATION: vector pMT"
/ US-08-245-742A-17

Query Match      80.8%; Score 76.8; DB 1; Length 132;
Best Local Similarity 75.0%; Pred. No. 2,7e-20;
Matches 60; Conservative 18; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGUUCGUGUGUAGUGUUAUCAGUCGCUAACACGGGAAAGUCCCGG 60
   |||:::|||||:::|||||:::|||||:::|||||:::|||||:::|||||
DB 11 ACCGTTGGTTTCGTAAGTGTATATCAGCTGCCTCACCGGAGCGTCCCGG 70
   ::|||:::|||||:::|||||:::|||||:::|||||:::|||||

QY 61 UUCGAAACCGGCGGGAACA 80
   ::|||:::|||||:::|||||:::|||||
DB 71 TTCGAAACCGGCGGGAACA 90
   ::|||:::|||||:::|||||:::|||||

RESULT 4
US-08-465-483-17
/ Sequence 17, Application US/08465483
/ Patent No. 5811275
/ GENERAL INFORMATION:
/ APPLICANT: Wong-Staal, Flossie
/ APPLICANT: Yu, Mang
/ APPLICANT: Yamada, Osamu
/ APPLICANT: Ojwang, Joshua O.
/ APPLICANT: Leavitt, Mark
/ APPLICANT: Ho, Anthony
/ TITLE OF INVENTION: Ribozyme Gene Therapy for HIV Infection
/ TITLE OF INVENTION: and AIDS
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew
/ STREET: One Market Plaza, Stewart Street Tower
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94105-1492
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/465,483
/ FILING DATE: 05-JUN-1995
/ CLASSIFICATION: 514
```

```
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/062,465
/ FILING DATE: 17-MAY-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/245,742
/ FILING DATE: 17-MAY-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weber, Kenneth A.
/ REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 2307E-567-11
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 543-9600
/ TELEFAX: (415) 543-5043
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 132 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: (96*97) /note= "insertion location of
/ OTHER INFORMATION: foreign gene in pol iii
/ OTHER INFORMATION: transcription cassette in
/ OTHER INFORMATION: vector pMT"
US-08-465-483-17

Query Match      80.8%; Score 76.8; DB 1; Length 132;
Best Local Similarity 75.0%; Pred. No. 2.7e-20;
Matches 60; Conservative 18; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGUUCGUGAGUGUAGUUAUACGUGCCUACAGCGGAAGUCCCGG 60
   |||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB 11 ACCGTGGTTCCGTAGTGTAGTGTATCACGTTGCTCACAGCGAAGCTCCCGG 70
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||

QY 61 UUCGAAACCGGCGGGAACA 80
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB 71 TTCGAAACCGGCGGGAACA 90
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||

RESULT 5
US-08-876-996-17
/ Sequence 17, Application US/08876996
/ Patent No. 6132962
/ GENERAL INFORMATION:
/ APPLICANT: Wong-Staal, Flossie
/ APPLICANT: Yu, Mang
/ APPLICANT: Yamada, Osamu
/ APPLICANT: Oiwang, Joshua O.
/ APPLICANT: Leavitt, Mark
/ APPLICANT: Ho, Anthony
/ TITLE OF INVENTION: Ridozyme Gene Therapy for HIV Infection
/ TITLE OF INVENTION: and AIDS
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSES: Townsend and Townsend and Crew
/ STREET: One Market Plaza, Stewart Street Tower
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94105-1492
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/876,996
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
```

```
/ APPLICATION NUMBER: 08/245,742
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weber, Kenneth A.
/ REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 2307E-567-10
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 543-9600
/ TELEFAX: (415) 543-5043
/ INFORMATION FOR SEQ ID NO: 17:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 132 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ FEATURE:
/ NAME/KEY: -
/ LOCATION: (96*97) /note= "insertion location of
/ OTHER INFORMATION: foreign gene in pol iii
/ OTHER INFORMATION: transcription cassette in
/ OTHER INFORMATION: vector pMT"
US-08-876-996-17

Query Match      80.8%; Score 76.8; DB 3; Length 132;
Best Local Similarity 75.0%; Pred. No. 2.7e-20;
Matches 60; Conservative 18; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGUUCGUGAGUGUAGUUAUACGUGCCUACAGCGGAAGUCCCGG 60
   |||::|||::|||::|||::|||::|||::|||::|||::|||
DB 11 ACCGTGGTTCCGTAGTGTAGTGTATCACGTTGCTCACAGCGAAGCTCCCGG 70
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||

QY 61 UUCGAAACCGGCGGGAACA 80
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB 71 TTCGAAACCGGCGGGAACA 90
   ::|||::|||::|||::|||::|||::|||::|||::|||::|||

RESULT 6
US-09-763-590-3
/ Sequence 3, Application US/09763590
/ Patent No. 6740750
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: OKAWA, JUN
/ APPLICANT: KOSERI, SHIORI
/ TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
/ TITLE OF INVENTION: NUCLEIC ACIDS
/ FILE REFERENCE: 04853.0059-00000
/ CURRENT APPLICATION NUMBER: US/09/763,590
/ CURRENT FILING DATE: 2001-06-05
/ PRIOR APPLICATION NUMBER: PCT/JP99/04718
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: JP 10/244755
/ PRIOR FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3
/ LENGTH: 128
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
/ OTHER INFORMATION: sequence of R21
US-09-763-590-3

Query Match      77.9%; Score 74; DB 4; Length 128;
Best Local Similarity 93.9%; Pred. No. 3.3e-19;
Matches 77; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ACCGUGUUCGUGAGUGUAGUUAUACGUGCCUACAGCGGAAGUCCCGG 60
   |||::|||::|||::|||::|||::|||::|||::|||::|||
DB 1 ACCGUGUUCGUGAGUGUAGUUAUACGUGCCUACAGCGGAAGUCCCGG 60
   |||::|||::|||::|||::|||::|||::|||::|||::|||
```

QY 61 UUCGAAACCGGGCGGAACAA 82
DB 61 UUCGAAACCGGGCGGACCCACACA 82

RESULT 7

US-09-763-590-1
Sequence 1, Application US/09763590
Patent No. 6740750
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OHKAWA, JUN
APPLICANT: KOSEKI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/09/763,590
CURRENT FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 135
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
US-09-763-590-1

Query Match 76.8%; Score 73; DB 4; Length 135;
Best Local Similarity 93.8%; Pred. No. 8.1e-19;
Matches 76; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60
DB 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60

QY 61 UUCGAAACCGGGCGGAACAA 81
DB 61 UUCGAAACCGGGCGGACUACAA 81

RESULT 8

US-09-763-590-2
Sequence 2, Application US/09763590
Patent No. 6740750
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OHKAWA, JUN
APPLICANT: KOSEKI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/09/763,590
CURRENT FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 141
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
OTHER INFORMATION: sequence of R23

US-09-763-590-2

Query Match 76.8%; Score 73; DB 4; Length 141;
Best Local Similarity 93.8%; Pred. No. 8.3e-19;
Matches 76; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60
DB 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60

QY 61 UUCGAAACCGGGCGGAACAA 81
DB 61 UUCGAAACCGGGCGGACUACAA 81

RESULT 9

US-09-763-590-5
Sequence 5, Application US/09763590
Patent No. 6740750
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OHKAWA, JUN
APPLICANT: KOSEKI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/09/763,590
CURRENT FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 149
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
US-09-763-590-5

Query Match 73.5%; Score 69.8; DB 4; Length 149;
Best Local Similarity 97.3%; Pred. No. 1.5e-17;
Matches 71; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60
DB 1 ACCGUGGUTUCCGUGAGUGUGUACAGUUGCCUAAACCGGAAGUCCCCCG 60

QY 61 UUCGAAACCGGGCG 73
DB 61 UUCGAAACCGGGCG 73

RESULT 10

US-09-763-590-7/c
Sequence 7, Application US/09763590
Patent No. 6740750
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OHKAWA, JUN
APPLICANT: KOSEKI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/09/763,590
CURRENT FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31

```
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 7
/ LENGTH: 113
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Sequence of an
/ Patent No. 6740750
/ OTHER INFORMATION: antisense oligonucleotide linker
US-09-763-590-7
```

```
Query Match          70.3%; Score 66.8; DB 4; Length 113;
Best Local Similarity 71.4%; Pred. No. 2e-16;
Matches 50; Conservative 18; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ACCGUGUUCUGUAGUGUUAUACAAGUCCUAAACCGGAAAGUCCCGG 60
    |||:::|||||:::|||||:::|||||:::|||||:::|||||:::
DB 71 ACCGTTGGTTTCGTAAGTGTATATCAAGTCCCTTAACACGGAAGGTCCCG 12
```

```
QY 61 UUCGAAACCG 70
    ::|||
DB 11 TTCGAAGTCG 2
```

RESULT 11

```
US-09-763-590-6
/ Sequence 6, Application US/09763590
/ Patent No. 6740750
/ GENERAL INFORMATION:
```

```
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: OKAWA, JUN
/ APPLICANT: KOSAKI, SHIORI
```

```
/ TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
/ FILE REFERENCE: 04853.0059-00000
/ CURRENT APPLICATION NUMBER: US/09/763,590
/ PRIOR FILING DATE: 2001-06-05
/ PRIOR APPLICATION NUMBER: PCT/JP99/04718
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: JP 10/244755
/ PRIOR FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin Ver. 2.1
```

```
/ SEQ ID NO 6
/ LENGTH: 110
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
/ Patent No. 6740750
/ OTHER INFORMATION: sense oligonucleotide linker
US-09-763-590-6
```

```
Query Match          69.5%; Score 66; DB 4; Length 110;
Best Local Similarity 72.7%; Pred. No. 4.1e-16;
Matches 48; Conservative 18; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 ACCGUGUUCUGUAGUGUUAUACAAGUCCUAAACCGGAAAGUCCCGG 60
    |||:::|||||:::|||||:::|||||:::|||||:::|||||:::
DB 44 ACCGTTGGTTTCGTAAGTGTATATCAAGTCCCTTAACACGGAAGGTCCCG 103
```

```
QY 61 UUCGAA 66
    ::|||
DB 104 TTCGAA 109
```

RESULT 12

```
US-09-763-590-13/C
/ Sequence 13, Application US/09763590
/ Patent No. 6740750
/ GENERAL INFORMATION:
```

```
/ APPLICANT: TAIRA, KAZUNARI
```

```
/ APPLICANT: OKAWA, JUN
/ APPLICANT: KOSAKI, SHIORI
/ TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
/ FILE REFERENCE: 04853.0059-00000
/ CURRENT APPLICATION NUMBER: US/09/763,590
/ PRIOR FILING DATE: 2001-06-05
/ PRIOR APPLICATION NUMBER: PCT/JP99/04718
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: JP 10/244755
/ PRIOR FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 13
/ LENGTH: 106
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
/ Patent No. 6740750
/ OTHER INFORMATION: lower primer including the sequences of R23 and a
/ OTHER INFORMATION: terminator
US-09-763-590-13
```

```
Query Match          26.3%; Score 25; DB 4; Length 106;
Best Local Similarity 88.0%; Pred. No. 4.2;
Matches 22; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 49 AAAGUCCCCGUGUAGUUAUACAAGUCCUAAACCGGCG 73
    |||:::|||||:::|||||:::|||||:::|||||:::|||||:::
DB 106 AAAGTCCCGGTTGGAACCGGCG 82
```

RESULT 13

```
US-09-763-590-12/C
/ Sequence 12, Application US/09763590
/ Patent No. 6740750
/ GENERAL INFORMATION:
```

```
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: OKAWA, JUN
/ APPLICANT: KOSAKI, SHIORI
```

```
/ TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
/ FILE REFERENCE: 04853.0059-00000
/ CURRENT APPLICATION NUMBER: US/09/763,590
/ PRIOR FILING DATE: 2001-06-05
/ PRIOR APPLICATION NUMBER: PCT/JP99/04718
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: JP 10/244755
/ PRIOR FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin Ver. 2.1
```

```
/ SEQ ID NO 12
/ LENGTH: 109
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
/ Patent No. 6740750
/ OTHER INFORMATION: lower primer including the sequences of R22 and a
/ OTHER INFORMATION: terminator
US-09-763-590-12
```

```
Query Match          26.3%; Score 25; DB 4; Length 109;
Best Local Similarity 88.0%; Pred. No. 4.2;
Matches 22; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 49 AAAGUCCCCGUGUAGUUAUACAAGUCCUAAACCGGCG 73
    |||:::|||||:::|||||:::|||||:::|||||:::|||||:::
DB 109 AAAGTCCCGGTTGGAACCGGCG 85
```

RESULT 14

US-09-355-221-6//c
Sequence 6, Application US/09355221
Patent No. 6605429
GENERAL INFORMATION:
APPLICANT: Barber, Jack
APPLICANT: Welch, Peter
APPLICANT: Yel, Soomin
APPLICANT: Tritz, Richard
APPLICANT: Immunol Incorporated
TITLE OF INVENTION: Gene Functional Analysis and Discovery Using Randomized or
FILE REFERENCE: 016556-00300US
CURRENT APPLICATION NUMBER: US/09/355,221
CURRENT FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: US 60/037,352
PRIOR FILING DATE: 1997-01-23
PRIOR APPLICATION NUMBER: WO PCT/US98/01196
PRIOR FILING DATE: 1998-01-21
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn version 2.1
SEQ ID NO 6
LENGTH: 81
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:trna-ribozyme 11b
OTHER INFORMATION: PCR primer (trna-Rz 11b primer)
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(81)
OTHER INFORMATION: n = g, a, c or t
US-09-355-221-6

Query Match 24.2% Score 23; DB 4; Length 81;
Best Local Similarity 91.3% Pred. No. 23;
Matches 21; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 58 CGGUUCGAAACGGGCGGAAACA 80
DB 81 CGGTCGAAACGGGCGGAAACA 59

RESULT 15
US-09-563-794B-71
Sequence 71, Application US/09563794B
Patent No. 6808876
GENERAL INFORMATION:
APPLICANT: KRUGER, MARTIN
APPLICANT: WELCH, PETER J.
APPLICANT: BARBER, JACK R.
TITLE OF INVENTION: CELLULAR REGULATORS OF INFECTIOUS AGENTS AND METHODS OF
FILE REFERENCE: 039316-0801
CURRENT APPLICATION NUMBER: US/09/563,794B
CURRENT FILING DATE: 2000-05-02
NUMBER OF SEQ ID NOS: 144
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 71
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: primer
US-09-563-794B-71

Query Match 23.6% Score 22.4; DB 4; Length 24;
Best Local Similarity 70.8% Pred. No. 26;
Matches 17; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 24 GGUUUCACGUGCGCTUACACGC 47
DB 1 GGTATACACGTTCCGCTCACACGC 24

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Comphen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 18, 2005, 21:38:28 ; Search time 253 Seconds
(without alignments)
235.207 Million cell updates/sec

Title: US-10-820-820-4

Perfect score: 95
1 accuuguguuuccguagugu.....aacaagacagucguuuu 95.

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 514868 seqs, 31196961 residues

Total number of hits satisfying chosen parameters: 10002998

Minimum DB seq length: 0
Maximum DB seq length: 150

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents_NA_New.*

1: /cgn2_6/prodata/2/pna/PCT_NEW_COMB.seq.*
2: /cgn2_6/prodata/2/pna/US06_NEW_COMB.seq.*
3: /cgn2_6/prodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/prodata/2/pna/US08_NEW_COMB.seq.*
5: /cgn2_6/prodata/2/pna/US09_NEW_COMB.seq.*
6: /cgn2_6/prodata/2/pna/US10_NEW_COMB.seq.*
7: /cgn2_6/prodata/2/pna/US11_NEW_COMB.seq.*
8: /cgn2_6/prodata/2/pna/US60_NEW_COMB.seq.*
9: /cgn2_6/prodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	21.8	22.9	78	US-10-932-182A-166715, Sequence 166715, A
2	18.8	19.8	77	US-10-605-923-15457, Sequence 15457, A
3	18.4	19.4	117	US-10-932-182A-174531, Sequence 174531, A
4	18.2	19.2	103	US-10-605-923-10887, Sequence 10887, A
5	18.2	19.2	103	US-10-605-924-7522, Sequence 7522, A
6	18	18.9	95	US-11-043-312-11, Sequence 11, Appl
7	18	18.9	117	US-10-707-003-1264, Sequence 1264, Ap
8	18	18.9	117	US-10-604-984-1264, Sequence 1264, Ap
9	17.8	18.7	100	US-10-153-469A-3, Sequence 3, Appl1
10	17.6	18.5	96	US-10-932-182A-173417, Sequence 173417, A
11	17.6	18.5	104	US-10-605-923-13759, Sequence 13759, A
12	17.6	18.5	104	US-10-605-924-9585, Sequence 9585, Ap
13	17.6	18.5	112	US-11-021-016-12, Sequence 12, Appl
14	17.4	18.3	66	US-10-605-923-17798, Sequence 17798, A
15	17.4	18.3	66	US-10-605-924-12307, Sequence 12307, A
16	17.4	18.3	96	US-10-604-945-1471, Sequence 1471, Ap
17	17.4	18.3	96	US-10-604-942-65132, Sequence 65132, A
18	17.4	18.3	147	US-10-932-182A-78301, Sequence 78301, A
19	17.2	18.1	25	US-11-036-317-439867, Sequence 439867, A
20	17.2	18.1	60	US-10-708-952A-397923, Sequence 397923, A
21	17.2	18.1	65	US-10-604-945-3007, Sequence 3007, Ap
22	17.2	18.1	73	US-10-604-942-36290, Sequence 36290, A
23	17.2	18.1	73	US-10-708-952A-388244, Sequence 388244, A
24	17.2	18.1	82	US-10-604-985-809, Sequence 809, Appl

C 25	17.2	18.1	106	7	US-10-605-923-28491	Sequence 28491, A
C 26	17.2	18.1	106	7	US-10-605-924-19523	Sequence 19523, A
C 27	17.2	18.1	110	8	US-11-031-175-8522	Sequence 8522, Ap
C 28	17.2	18.1	117	6	US-10-708-952A-399286	Sequence 399286, A
C 29	17.2	18.1	144	8	US-11-043-770-4	Sequence 4, Appl1
C 30	17.2	18.1	144	8	US-11-043-770-4	Sequence 992, Appl
C 31	17	17.9	36	5	US-09-581-528B-20	Sequence 20, Appl
C 32	17	17.9	60	7	US-10-605-923-6458	Sequence 6458, Ap
C 33	17	17.9	85	7	US-10-605-923-25873	Sequence 25873, A
C 34	17	17.9	90	7	US-10-605-923-3531	Sequence 3531, Ap
C 35	17	17.9	90	7	US-10-605-924-2441	Sequence 2441, Ap
C 36	17	17.9	107	7	US-10-605-923-2534	Sequence 2534, Ap
C 37	17	17.9	111	6	US-10-932-182A-81069	Sequence 81069, A
C 38	17	17.9	130	7	US-10-605-923-20831	Sequence 20831, A
C 39	17	17.9	130	7	US-10-605-924-14335	Sequence 14335, A
C 40	16.8	17.7	60	6	US-10-708-952A-390279	Sequence 390279, A
C 41	16.8	17.7	63	7	US-10-605-923-16921	Sequence 16921, A
C 42	16.8	17.7	63	7	US-10-605-924-11708	Sequence 11708, A
C 43	16.8	17.7	65	7	US-10-605-923-5866	Sequence 5866, Ap
C 44	16.8	17.7	65	7	US-10-605-924-4049	Sequence 4049, Ap
C 45	16.8	17.7	130	6	US-10-708-952A-396673	Sequence 396673, A

ALIGNMENTS

RESULT 1
US-10-932-182A-166715/C
Sequence 166715, Application US/10932182A
GENERAL INFORMATION:
APPLICANT: NAKAO, YOSHITIRO
APPLICANT: NAKAMURA, NORIHISA
APPLICANT: KODAMA, YUKIKO
APPLICANT: FUJIMURA, TOMOKO
APPLICANT: ASHKARI, TOSHITIRO
TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
FILE REFERENCE: 030685-043
CURRENT APPLICATION NUMBER: US/10/932, 182A
CURRENT FILING DATE: 2004-09-02
NUMBER OF SEQ ID NOS: 197023
SOFTWARE: PatentIn version 3.3
SEQ ID NO 166715
LENGTH: 78
TYPE: DNA
ORGANISM: Saccharomyces pastorianus
US-10-932-182A-166715

Query Match 22.9%; Score 21.8; DB 6; Length 78;
Best Local Similarity 43.8%; Pred. No. 38;
Matches 32; Conservative 9; Mismatches 32; Indels 0; Gaps 0;

QY 8 GTTUCGUGUGUAGUGUUAUACAGUCGCUAAGCGGAAGGCCCCGGUGGAA 67
DB 73 GCTTAGTGTGCTCAGCGGACAGCGTCACTCATATCTGAAGGTCCAGAGTTCGAA 14
QY 68 CCGGCGGGAAGA 80
DB 13 CTCCTCGAGCA 1

RESULT 2
US-10-605-923-15457/C
Sequence 15457, Application US/10605923
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AN
FILE REFERENCE: 55000
CURRENT APPLICATION NUMBER: US/10/605, 923
CURRENT FILING DATE: 2003-11-06
NUMBER OF SEQ ID NOS: 1515668
SOFTWARE: PatentIn version 3.2
SEQ ID NO 15457

LENGTH: 77
TYPE: DNA
ORGANISM: Homo Sapiens
US-10-605-923-15457

Query Match 19.8%; Score 18.8; DB 7; Length 77;
Best Local Similarity 45.7%; Pred. No. 5.1e+02;
Matches 21; Conservative 8; Mismatches 17; Indels 0; Gaps 0;

QY 16 AGUGUAGUGUUAUCACGUCGCCUACACGCGAAGGUCGCCGU 61
DB 47 AGCGTGCATATACCTTGCTCAGACCCCAAGTCTCATGT 2

RESULT 3
US-10-932-182A-174531
Sequence 174531, Application US/10932182A
GENERAL INFORMATION:
APPLICANT: NAKAO, YOSHIHIRO
APPLICANT: NAKAMURA, NORIHISA
APPLICANT: KODAMA, YUKIKO
APPLICANT: FUJIMURA, TOMOKO
APPLICANT: ASHIMARI, TOSHIHIKO
TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
FILE REFERENCE: 030685-043
CURRENT APPLICATION NUMBER: US/10/932,182A
CURRENT FILING DATE: 2004-09-02
NUMBER OF SEQ ID NOS: 197023
SOFTWARE: PatentIn version 3.3
SEQ ID NO 174531
LENGTH: 117
TYPE: DNA
ORGANISM: Saccharomyces pastorianus
US-10-932-182A-174531

Query Match 19.4%; Score 18.4; DB 6; Length 117;
Best Local Similarity 56.8%; Pred. No. 7.8e+02;
Matches 25; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

QY 30 CACGUCGCCUACACGCGAAGGUCGCCGUCGAAACCGGCG 73
DB 54 CAGGTATGCAMAGCATGCGAGAGCCCTGGGTTCATTCACAC 97

RESULT 4
US-10-605-923-10887
Sequence 10887, Application US/10605923
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
TITLE OF INVENTION: USUS THEROFP
FILE REFERENCE: 55000
CURRENT APPLICATION NUMBER: US/10/605,923
CURRENT FILING DATE: 2003-11-06
NUMBER OF SEQ ID NOS: 151568
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10887
LENGTH: 103
TYPE: DNA
ORGANISM: Homo Sapiens
US-10-605-923-10887

Query Match 19.2%; Score 18.2; DB 7; Length 103;
Best Local Similarity 44.7%; Pred. No. 9e+02;
Matches 21; Conservative 8; Mismatches 18; Indels 0; Gaps 0;

QY 8 GUTUCCGUGUAGUGUUAUCACGUCGCCUACACGCGAAGG 54
DB 21 GATTCTGACTGAATGTATGACGATATGCTTAAGCCATAGGT 67

RESULT 5
US-10-605-924-7522

Sequence 7522, Application US/10605924
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATIONALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AN
TITLE OF INVENTION: USUS THEROFP
FILE REFERENCE: 55004
CURRENT APPLICATION NUMBER: US/10/605,924
CURRENT FILING DATE: 2003-11-06
NUMBER OF SEQ ID NOS: 138402
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7522
LENGTH: 103
TYPE: DNA
ORGANISM: Homo Sapiens
US-10-605-924-7522

Query Match 19.2%; Score 18.2; DB 7; Length 103;
Best Local Similarity 44.7%; Pred. No. 9e+02;
Matches 21; Conservative 8; Mismatches 18; Indels 0; Gaps 0;

QY 8 GUTUCCGUGUAGUGUUAUCACGUCGCCUACACGCGAAGG 54
DB 21 GATTCTGACTGAATGTATGACGATATGCTTAAGCCATAGGT 67

RESULT 6
US-11-043-312-11
Sequence 11, Application US/11043312
GENERAL INFORMATION:
APPLICANT: COLOSI, PETER C.
TITLE OF INVENTION: ACCESSORY FUNCTIONS FOR USE IN
RECOMBINANT AAV VIRION PRODUCTION
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: REED & ROBINS LLP
STREET: 285 HAMILTON AVENUE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/043,312
FILING DATE: 26-Jan-2005
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/177,871
FILING DATE: 19-Jun-2002
APPLICATION NUMBER: US/08/745,957
FILING DATE: 07-Nov-1996
APPLICATION NUMBER: US 60/006,402
FILING DATE: 09-Nov-1995
ATTORNEY/AGENT INFORMATION:
NAME: MCCracken, THOMAS P.
REGISTRATION NUMBER: 38,548
REFERENCE/DOCKET NUMBER: 0800-0007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 327-3400
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 95 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-11-043-312-11

Query Match 18.9%; Score 18; DB 8; Length 95;
Best Local Similarity 69.2%; Pred. No. 1.1e+03;
Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 43 CACGGGAAGGUCGCCGUCGAAAC 68
DB 8 CACGGGTGAGCTCCGGGTTCCGAGC 33

RESULT 7

US-10-707-003-1264
; Sequence 1264, Application US/10707003
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY
; FILE REFERENCE: 55010
; CURRENT APPLICATION NUMBER: US/10/707,003
; CURRENT FILING DATE: 2003-10-30
; NUMBER OF SEQ ID NOS: 46755
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1264
; LENGTH: 117
; TYPE: DNA
; ORGANISM: Human enterovirus C
US-10-707-003-1264

Query Match 18.9%; Score 18; DB 6; Length 117;
Best Local Similarity 39.2%; Pred. No. 1.1e+03;
Matches 29; Conservative 10; Mismatches 35; Indels 0; Gaps 0;

QY 16 AGUGAGUGGUAUCCAGUCCGCUAAGGUCGCCGUCGAAACCGGCGG 75
DB 7 AGTGTATATATTAGATTTCACCCACACGTGTGACTCAATCGTTTGTGAGAGCAGG 66

QY 76 AAACAAGACAGUC 89
DB 67 TGATTAAGATAGAC 80

RESULT 8

US-10-604-984-1264
; Sequence 1264, Application US/10604984
; GENERAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATIALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY
; FILE REFERENCE: 55010
; CURRENT APPLICATION NUMBER: US/10/604,984
; CURRENT FILING DATE: 2003-08-29
; NUMBER OF SEQ ID NOS: 46755
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1264
; LENGTH: 117
; TYPE: DNA
; ORGANISM: Human enterovirus C
US-10-604-984-1264

Query Match 18.9%; Score 18; DB 7; Length 117;
Best Local Similarity 39.2%; Pred. No. 1.1e+03;
Matches 29; Conservative 10; Mismatches 35; Indels 0; Gaps 0;

QY 16 AGUGAGUGGUAUCCAGUCCGCUAAGGUCGCCGUCGAAACCGGCGG 75
DB 7 AGTGTATATATTAGATTTCACCCACACGTGTGACTCAATCGTTTGTGAGAGCAGG 66

QY 76 AAACAAGACAGUC 89
DB 67 TGATTAAGATAGAC 80

RESULT 9
US-10-153-469A-3

; Sequence 3, Application US/10153469A
; GENERAL INFORMATION:
; APPLICANT: GRUSKIN, ELLIOT A.
; BROCHTER, DOUGLAS
; BROKAW, JANE
; ZHANG, GUANGHUI
; PAOLELLA, DAVID

; TITLE OF INVENTION: AMINO ACID MODIFIED POLYPEPTIDES
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DILMORTH & BARRESE
; STREET: 333 EARLE O'VINGTON BOULEVARD
; CITY: UNIONDALE
; STATE: NY
; COUNTRY: U.S.A.
; ZIP: 11553

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,469A
; FILING DATE: 22-May-2002
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US/09/169,768
; FILING DATE: 09-Oct-1998

; ATTORNEY/AGENT INFORMATION:
; NAME: STEEN, JEFFREY S
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 228-8484
; TELEFAX: (516) 228-8516

; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 100 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-153-469A-3

Query Match 18.7%; Score 17.8; DB 6; Length 100;
Best Local Similarity 72.4%; Pred. No. 1.3e+03;
Matches 21; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 45 CGCGAAGGUCGCCGUCGAAACCGGCGC 73
DB 48 CCCGAAAGGTCCGCGTGCAGATAGCGCGGC 76

RESULT 10

US-10-932-182A-173417/c
; Sequence 173417, Application US/10932182A
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHKARI, TOSHIHIRO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 173417
; LENGTH: 96
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-173417

Query Match 18.5%; Score 17.6; DB 6; Length 96;
Best Local Similarity 46.9%; Pred. No. 1.5e+03;
Matches 15; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

QY 15 UAGUGUAGUGUACGACGUGCCGUAACG 46
DB 88 TAGTGTAGTGTATCATCCACCTTCCAAG 57

RESULT 11

US-10-605-923-13759/c
; Sequence 13759, Application US/10605923
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
; FILE REFERENCE: 55000
; CURRENT APPLICATION NUMBER: US/10/605,923
; CURRENT FILING DATE: 2003-11-06
; NUMBER OF SEQ ID NOS: 1515668
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13759
; LENGTH: 104
; TYPE: DNA
; ORGANISM: Homo Sapiens

US-10-605-923-13759

Query Match 18.5%; Score 17.6; DB 7; Length 104;
Best Local Similarity 42.2%; Pred. No. 1.5e+03;
Matches 27; Conservative 8; Mismatches 29; Indels 0; Gaps 0;

QY 20 UAGUGUAGUGUACGACGUGCCGUAACG 79
DB 102 TATAGTGTTCGATGCTTATGATGTGACTTCAATTCGAACTTGATTAAAT 43

QY 80 AAAG 83
DB 42 AAAG 39

RESULT 12

US-10-605-924-9585/c
; Sequence 9585, Application US/10605924
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
; FILE REFERENCE: 55004
; CURRENT APPLICATION NUMBER: US/10/605,924
; CURRENT FILING DATE: 2003-11-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9585
; LENGTH: 104
; TYPE: DNA
; ORGANISM: Homo Sapiens

US-10-605-924-9585

Query Match 18.5%; Score 17.6; DB 7; Length 104;
Best Local Similarity 42.2%; Pred. No. 1.5e+03;
Matches 27; Conservative 8; Mismatches 29; Indels 0; Gaps 0;

QY 20 UAGUGUAGUGUACGUGCCGUAACG 79
DB 102 TATAGTGTTCGATGCTTATGATGTGACTTGAATTCGAACTTGATTAAAT 43

QY 80 AAAG 83
DB 42 AAAG 39

RESULT 13
US-11-021-016-12

; Sequence 12, Application US/11021016

; GENERAL INFORMATION:

; APPLICANT: Thompson, James D.

; TITLE OF INVENTION: IMPROVED POLYMERASE III-BASED EXPRESSION OF THERAPEUTIC

; FILE REFERENCE: MHB00-919-E

; CURRENT APPLICATION NUMBER: US/11/021,016

; CURRENT FILING DATE: 2004-12-23

; PRIOR APPLICATION NUMBER: 09/630,846

; PRIOR FILING DATE: 2000-08-02

; PRIOR APPLICATION NUMBER: 08/512,861

; PRIOR FILING DATE: 1995-08-07

; PRIOR APPLICATION NUMBER: 08/293,520

; PRIOR FILING DATE: 1994-08-19

; PRIOR APPLICATION NUMBER: 08/337,608

; PRIOR FILING DATE: 1994-11-10

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 12

; LENGTH: 112

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: TRZ-B crna

US-11-021-016-12

Query Match 18.5%; Score 17.6; DB 8; Length 112;
Best Local Similarity 54.7%; Pred. No. 1.5e+03;
Matches 35; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY 28 AUCAGUCUGCCUACGACGUGCCGUAACG 87
DB 28 AGCUGUCUGCCGACCAACCCGAGUGCAUGAUGAACUGGCCCAUAAAAAG 87

QY 88 UCGC 91
DB 88 CCGC 91

RESULT 14

US-10-605-923-17798/c
; Sequence 17798, Application US/10605923
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AN
; FILE REFERENCE: 55000
; CURRENT APPLICATION NUMBER: US/10/605,923
; CURRENT FILING DATE: 2003-11-06
; NUMBER OF SEQ ID NOS: 1515668
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17798
; LENGTH: 66
; TYPE: DNA
; ORGANISM: Homo Sapiens

US-10-605-923-17798

Query Match 18.3%; Score 17.4; DB 7; Length 66;
Best Local Similarity 47.5%; Pred. No. 1.6e+03;
Matches 28; Conservative 5; Mismatches 26; Indels 0; Gaps 0;

QY 12 CCGUGUAGUGUAGUGUACGUGCCGUAACG 70
DB 65 CTGACGTGACCATCATCACCGAACCGAGGCGGAGGCTCGATGTGGAACCG 7

RESULT 15

US-10-605-924-12307/c
; Sequence 12307, Application US/10605924
; GENERAL INFORMATION:

; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AN

US-11-021-016-12

```

; TITLE OF INVENTION:  USES THEREOF
; FILE REFERENCE:  55004
; CURRENT APPLICATION NUMBER:  US/10/605,924
; CURRENT FILING DATE:  2003-11-06
; NUMBER OF SEQ ID NOS:  1388402
; SOFTWARE:  PatentIn version 3.2
; SEQ ID NO:  12307
; LENGTH:  66
; TYPE:  DNA
; ORGANISM:  Homo Sapiens
US-10-605-924-12307

```

```

Query Match      18.3%; Score 17.4; DB 7; Length 66;
Best Local Similarity  47.5%; Pred. No. 1.6e+03;
Matches  28; Conservative  5; Mismatches  26; Indels  0; Gaps  0;

```

```

QY      12  CCGUAGUGUAGUGUAGUACGUCGCUAACACCGGAAGGUGCCCGGUGCGAAACCG 70
DB      65  CTGACGTGGAACCATCATCATCCCGAACCCAGAGGCGGAGGTCTGATGTGTGAACCG 7

```

Search completed: February 18, 2005, 23:20:04
Job time : 256 secs

/clone_11b="EI_10.12_KB"
 /note="Vector: PHO82; Site 1: BstXI; Total genomic DNA was isolated from early log phase trophozoites of B. invadens IP-1 using a Qiagen plant DNA extraction kit. A shotgun medium-size plasmid library (average insert size of 10-12 kb) was generated by random mechanical shearing of B. invadens genomic DNA, repairing the ends of DNA fragments with T4 Polymerase, adding BstXI adaptors and ligating into the BstXI site of a pUC-derived vector PHO82."

ORIGIN

Query Match 27.8%; Score 26.4; DB 8; Length 137;
 Best Local Similarity 57.7%; Pred. No. 58;
 Matches 30; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

QY 29 UACGUGGCGCUAACGCGAAGGUGCCCGGUGCAACCGGCGGAACA 80
 1 TCACATCAGTTTACCTACTGAGGGTCCCGGTTCAATCCCGCGGAACA 52

RESULT 10
 LOCUS BX166029 144 bp DNA linear GSS 28-JAN-2003
 DEFINITION Dantio rerio genomic clone DKEX-124P18, genomic survey sequence.
 ACCESSION BX166029
 VERSION BX166029.1 GI:27997576
 KEYWORDS GSS.
 SOURCE Dantio rerio (zebrafish)

ORGANISM Dantio rerio
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
 Cypriniformes; Cyprinidae; Danio.

REFERENCE 1 (bases 1 to 144)
 HUMPHRAY, S.J., HUCKLE, E. and DURHAM, J.L.
 Direct Substitution
 Submitted (27-JAN-2003) The Sanger Institute, Wellcome Trust Genome
 Campus, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries:
 humquery@sanger.ac.uk Unpublished

COMMENT

This sequence was generated from the T7 end of BAC 124P18. 124P18
 is part of the Daniokey BAC Library created by R. Plaetzer and N.V.
 Keygene. Further details:
 http://www.sanger.ac.uk/Projects/D_rerio/
 Location/Qualifiers

FEATURES
 source 1..144
 /organism="Dantio rerio"
 /mol_type="genomic DNA"
 /db_xref="taxon:7955"
 /clone="DKEX-124P18"
 /tissue_type="Testis"
 /note="Vector pindigobAC-536"

ORIGIN

Query Match 27.8%; Score 26.4; DB 9; Length 144;
 Best Local Similarity 48.5%; Pred. No. 59;
 Matches 33; Conservative 9; Mismatches 26; Indels 0; Gaps 0;

QY 12 CGUGUGUAGUAGUACGUGGCGUACGCGAAGGUGCCCGGUGCAACCGG 71
 21 CAGTTTACATGAGGGTACATCCTCACGCAAGAGGTCATGTTGATGATG 80

QY 72 GCGGAAC 79
 DB 81 GTTGACG 88

RESULT 11
 DR21E138 149 bp DNA linear GSS 27-NOV-2002
 LOCUS DR21E138
 DEFINITION Dantio rerio genomic clone DKEX-21E13, genomic survey sequence.
 ACCESSION AL736659
 VERSION AL736659.1 GI:21348575
 KEYWORDS GSS.
 SOURCE Dantio rerio (zebrafish)

ORGANISM

Dantio rerio
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
 Cypriniformes; Cyprinidae; Danio.

REFERENCE

1 (bases 1 to 149)
 HUMPHRAY, S.J., HUCKLE, E. and HUNT, S.B.
 Direct Substitution
 Submitted (06-JUN-2002) The Sanger Institute, Wellcome Trust Genome
 Campus, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail contact:
 humquery@sanger.ac.uk Unpublished
 This sequence was generated from the SP6 end of BAC 21E13. 21E13 is
 part of the Daniokey BAC Library created by R. Plaetzer and N.V.
 Keygene.
 Further details: http://www.sanger.ac.uk/Projects/D_rerio/
 Location/Qualifiers

COMMENT

Further details: http://www.sanger.ac.uk/Projects/D_rerio/

FEATURES

source 1..149
 /organism="Dantio rerio"
 /mol_type="genomic DNA"
 /db_xref="taxon:7955"
 /clone="DKEX-21E13"
 /tissue_type="Testis"
 /note="Vector pindigobAC-536"

ORIGIN

Query Match 27.2%; Score 25.8; DB 9; Length 149;
 Best Local Similarity 56.6%; Pred. No. 99;
 Matches 30; Conservative 6; Mismatches 17; Indels 0; Gaps 0;

QY 28 AUCAGUGGCGCUAACGCGAAGGUGCCCGGUGCAACCGGCGGAACA 80
 4 ATCAGATCAGCTCATCATCAGAGAGTCCCTGTTGAGCCCTCTGATGATCA 56

RESULT 12

LOCUS H04713 126 bp mRNA linear EST 20-JUN-1995
 DEFINITION e17-1.3.3-3' lambda Zap Express library of P. B. Schwartz (9/93)
 Rattus norvegicus cDNA clone e17-1.3.3', mRNA sequence.

ACCESSION

H04713
 H04713.1 GI:867646

VERSION

KEYWORDS

SOURCE

ORGANISM

Rattus norvegicus (Norway rat)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
 Rattus.

REFERENCE

1 (bases 1 to 126)
 SCHWARTZ, P.B., GRIESHABER, N.A., GRIESHABER, S.S. and MAJACK, R.A.
 An expressed sequence tag from in vitro embryonic rat vascular
 smooth muscle cells
 Unpublished (1995)
 Contract: Phillip B. Schwartz
 Pediatric and Cellular and Structural Biology
 University of Colorado Health Sciences Center
 4200 East Ninth Avenue, Denver, Colorado, 80262, USA
 Tel: (303) 270-4569
 Fax: (303) 270-8353
 Email: schwartz_p@denver.hsc.colorado.edu.

JOURNAL

COMMENT

FEATURES

source

1..126
 /organism="Rattus norvegicus"
 /mol_type="mRNA"
 /strain="Sprague-Dawley"
 /db_xref="taxon:10116"
 /clone="e17-1.3.3"
 /clone_11b="Lambda Zap Express library of P. B. Schwartz
 (9/93)"
 /note="developmental-stage-Embryonic Day 17
 Post-fertilization; tissue-type-Aorta; cell-type-Vascular
 smooth muscle cell; sex-male."

ORIGIN

Query Match 26.9%; Score 25.6; DB 7; Length 126;

Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 36; Conservative 7; Mismatches 29; Indels 0; Gaps 0;

Oy 15 UAGUGUAGUCGUUNAVCACGUGCCTTAAACAGCGAAGAAGUCCCCGGUUCGA AACCGGGCG 74
 :
 :
Dd 51 TAGCTCAGTGGTAGAGGCCTTTGCCTAGGAAGCGCAAGCCCTCGGTTCGGTCCCACA GCT 110
 :

QY	75	GAACCAAGACA	86
Db	111	CTGAAAAAAGA	122

RESULT 13	
CD768762	
CD768762	
100 bp	
-DNA	
140000	FCM 00 TTT 2003

LOCUS	ADG768762	109 bp	mRNA	linear	EST 02-JUL-2003
DEFINITION	GENECOURT 14715419 NICHHD_MM_HYD1 Mus musculus cDNA clone				
IMAGE	6975107 5', mRNA sequence.				

ACCESSION	CU/68/62	GI:32427264
VERSION	CD768762.1	
KEYWORDS	EST.	
SOURCE	Mus musculus (house mouse)	
ORGANISM	Mus musculus	

REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciuromorphi; Muridae; Mus; 1 (bases 1 to 109)
AUTHORS	NIH-MGC http://mgc.ncl.nih.gov/ .
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL	Unpublished (1999)
COMMENT	Contact: Daniela S. Gerhard, Ph.D.

Office of Cancer Genomics
National Cancer Institute / NIH
Bldg. 31 Rm10A07 Bethesda, MD 20892
Email: cgsabp-remail.nih.gov
Tissue Procurement: Dr. Pamela Mellon and Dr. Pat Chappell
cDNA Library Preparation: CLONTECH Laboratories, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LIML)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LIML at:
<http://image.llnl.gov>
Plate: LCM3275 row: c column: 10
High quality sequence btcp109.

FEATURES	Location/Qualifiers
source	1. .109

```

/organism="Mus musculus"
/mol_type="mRNA"
/db_xref="taxon:10090"
/clone="IMAGE:6975107"
/lab_host="DH10B (phage-resistant)"
/clone_id="NICHD_MM_hyp1"
/notes="Organ: brain - normal mediotbasal hypothalamus;
Vector: pDNR-LIB; Site_1: Still (ggcaccatcggcc); Site_2:
Still (ggcgcctctggcc); Non-normalized full-length enriched
library 5' and 3' adaptors were used in cloning as
follows: 5' adaptor sequence: 5'-CACGCGCATTTAGGCC-3' and
3' adaptor sequence:
5'-ATTCTAGAGCCCGAGCGCCGACATG-dT(30)BN-3' (where B = A,
C, or G and N = A, C, G, or T). Average insert size 1.08
kb (range .73-1.37 kb). 13/15 colonies contained inserts
by PCR. This library was enriched for full-length clones
and was constructed by Clontech Laboratories (Palo Alto,
CA). Corp."

```

ORIGIN

Query Match	26.5%	Score 25.2	DB 6	Length 109
Best Local Similarity	54.8%	Pred. No. 1.6e+02		
Matched 34, Conservative	5	Mismatches 23	Indels 0	Gaps 0

QY 25 GUNAUACAGTUCGCGCUAAACAAGCAAAGATCCCGGTUCAAACCAGGCGGAACAAAGA 84
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db 26 GGTAGACGGCTTGCTTAGCAAGCGCAAGGCCCTTGAGTTTCGTCTTCAGCAAAAAA 85

85 CA 86
QY

Do 86 AA 87

RESULT 14					
CD769207					
CD769207	112	bp	mpna	1	near
					EST 02-III-2003

LOCUS	112 bp	mrna	linear	EST 02-JUL-2003
CD692007				
AGENEBCOURT	14720166	NICHDM_Hyp1	Mus musculus	cdna clone
DEFINITION	IMAGE:6974510	5', mRNA sequence.		

```

VERSION      CD769207.1  GI:32427709
KEYWORDS
SOURCE       Mus musculus (house mouse)

```

ORGANISM	REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT
<i>Mus musculus</i>					
Eukaryote, Metazoa: Chordata, Craniata, Vertebrata, Euteleostomi; Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus, 1 (bases 1 to 112)					
NH-MGC	http://mgc.ncl.nih.gov/				
National Institutes of Health, Mammalian Gene Collection (MGC)					
Unpublished (1999)					
Contact: Daniela S. Gerhard, Ph.D.					

Office Of Cancer Genomics
National Cancer Institute / NIH
Bldg. 31 Rm10A07 Bethesda, MD 20892
Email: csgabs-rt@mail.nih.gov
Tissue Procurement: Dr. Pamela Mellon and Dr. Pat Chappell
cDNA Library Preparation: CLONTECH Laboratories, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNLN at:
<http://image.llnl.gov>
Plate: L1CM3273 row: j column: 13
High quality sequence stop: 112.

FEATURES	Location/Qualifiers
source	1. .112

```

/organism="Mus musculus"
/mol_type="mRNA"
/db_xref="taxon:10090"
/clone="IMAGE:6974510"
/lab_host="DH10B (phage-resistant)"
/clone_1lb="NICHD_RM_Hybl"
/notes="Organ: brain - normal mediobasal hypothalamus;
Vector: pDNR-LIB; Site_1: SfiI (ggccatttcgcc) ; Site_2:
SfiI (ggccgccttcggcc) ; Non-normalized full-length enriched
library 5' and 3' adaptors were used in cloning as
follows: 5' adaptor sequence: 5'-CACGCGCATATATGCC-3' and
3' adaptor sequence:
5'-ATTCTAGGCGCGGAGCGGCGGCAGCATG-dT(30)BN-3' (where B = A,
C, or G and N = A, C, G, or T). Average insert size 1.08
kb (range .73-1.37 kb). 13/15 colonies contained inserts
by PCR. This library was enriched for full-length clones
and was constructed by Clontech Laboratories (Palo Alto,
CA). Corp."

```

ORIGIN

Query Match	26.5%	Score 25.2	DB 6	Length 112
Best Local Similarity	54.8%	Pred. No. 1.6e+02		
Matches 34	Conservative 5	Mismatches 23	Indels 0	Gaps 0

QY 25 GUUUCACGUCGCCUAACACGGGAAGUCCCCGUUCGAAACCGGGCGGAAACAAGA 84
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 26 GGTAAGAGCGCTTGCTGTACCAAGGCACGAGCCCTGGTTCGTCTCAGTCAACTCAAAAAA 85

Qy	85 CA 80
Db	86 AA 87

RESULT 15
AL757571

DEFINITION *Arabidopsis thaliana* T-DNA flanking sequence GK-150E02-013073,

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 18, 2005, 22:02:48 / Search time 313 Seconds
(without alignment)
1793.921 Million cell updates/sec

Title: US-10-820-820-4

Perfect score: 95
1 accgugguuuccguagugu.....aaacaagacagucguuuu 95

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 5384158 seqs, 2955248155 residues

Total number of hits satisfying chosen parameters: 5307602

Minimum DB seq length: 0
Maximum DB seq length: 150

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA: *
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
16: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
17: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
20: /cgn2_6/ptodata/2/pubpna/US11_PUBCOMB.seq:*
21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	95	100.0	95	US-10-361-028-8	Sequence 8, Appli
2	95	100.0	95	US-10-820-820-4	Sequence 4, Appli
3	74.8	78.7	88	US-09-974-974-5	Sequence 5, Appli
4	74.8	78.7	88	US-10-475-851A-3	Sequence 3, Appli
5	74.8	78.7	138	US-09-974-974-17	Sequence 17, Appli
6	74.8	78.7	141	US-10-361-028-52	Sequence 52, Appli
7	74.8	78.7	142	US-10-361-028-49	Sequence 49, Appli
8	74.8	78.7	142	US-10-361-028-50	Sequence 50, Appli
9	74.8	78.7	142	US-10-361-028-51	Sequence 51, Appli
10	74.8	78.7	142	US-10-361-028-53	Sequence 53, Appli
11	74	77.9	128	US-10-820-820-3	Sequence 3, Appli

12	73	76.8	135	US-10-820-820-1	Sequence 1, Appli
13	73	76.8	141	US-10-820-820-2	Sequence 2, Appli
14	69.8	73.5	149	US-10-820-820-5	Sequence 5, Appli
15	66.8	70.3	113	US-10-820-820-7	Sequence 7, Appli
16	66	69.5	110	US-10-820-820-6	Sequence 6, Appli
17	63	66.3	64	US-10-738-642-57	Sequence 57, Appli
18	35.2	37.1	73	US-10-857-625-384	Sequence 384, App
19	35.2	37.1	73	US-10-857-625-404	Sequence 404, App
20	35.2	37.1	73	US-10-857-625-407	Sequence 407, App
21	27	28.4	130	US-10-807-755-35	Sequence 35, Appli
22	27	28.4	135	US-10-807-755-25	Sequence 25, Appli
23	26	27.4	72	US-10-067-956-4	Sequence 3, Appli
24	26	27.4	72	US-10-067-956-3	Sequence 4, Appli
25	26	27.4	72	US-10-898-106-3	Sequence 3, Appli
26	26	27.4	72	US-10-898-106-4	Sequence 4, Appli
27	26	27.4	74	US-10-057-783A-30	Sequence 30, Appli
28	26	27.4	76	US-10-057-783A-27	Sequence 27, Appli
29	26	27.4	135	US-10-807-755-27	Sequence 27, Appli
30	25.8	27.2	123	US-10-083-357-557	Sequence 557, App
31	25.4	26.7	132	US-10-083-357-448	Sequence 348, App
32	25.2	26.5	64	US-09-974-300-8411	Sequence 8411, Ap
33	25.2	26.5	64	US-09-974-300-8428	Sequence 8428, Ap
34	25.2	26.5	64	US-09-974-300-8437	Sequence 8437, Ap
35	25	26.3	77	US-09-974-300-4366	Sequence 4366, Ap
36	25	26.3	77	US-09-974-300-4385	Sequence 4385, Ap
37	25	26.3	77	US-09-974-300-4400	Sequence 4400, Ap
38	25	26.3	77	US-09-974-300-4442	Sequence 4442, Ap
39	25	26.3	77	US-09-974-300-8401	Sequence 8401, Ap
40	25	26.3	77	US-09-974-300-8420	Sequence 8420, Ap
41	25	26.3	77	US-09-974-300-8435	Sequence 8435, Ap
42	25	26.3	77	US-09-974-300-8475	Sequence 8475, Ap
43	25	26.3	109	US-10-820-820-13	Sequence 13, Appli
44	25	26.3	106	US-10-820-820-12	Sequence 12, Appli
45	24.4	25.7	135	US-10-282-122A-27179	Sequence 27179, A

ALIGNMENTS

RESULT 1
US-10-361-028-8
; Sequence 8, Application US/10361028
; Publication No. US20030199471A1
; GENERAL INFORMATION:
; APPLICANT: TAIRA, KAZUMARI
; APPLICANT: MARASHINA, MASAKI
; APPLICANT: KUMABARA, TOMOKO
; APPLICANT: KAWASAKI, HIROAKI
; TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
; FILE REFERENCE: 081356/0151
; CURRENT APPLICATION NUMBER: US/10/361,028
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: US/09/704,525
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: JP 316133/1999
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 95
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
; OTHER INFORMATION: sequence of the transcript of the human placental crRNAval
; US-10-361-028-8

Query Match 100.0%; Score 95; DB 16; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.7e-26;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 ACCGUGGUUCCGUAGUGUGUUVACAGCGUCCGACGCGGAGAGGUCGCGG 60
|||||

Db 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Qy 61 UUCGAAACCGGGCGGAAACAAAGACAGUGCCUUU 95
Db 61 UUCGAAACCGGGCGGAAACAAAGACAGUGCCUUU 95

RESULT 2

US-10-820-820-4
; Sequence 4, Application US/10820820
; Publication No. US20040198689A1
; GENERAL INFORMATION:
; APPLICANT: TAIRA, KAZUNARI
; APPLICANT: OKAWA, JUN
; APPLICANT: KOSAKI, SHIORI
; TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
; TITLE OF INVENTION: NUCLEIC ACIDS
; FILE REFERENCE: 04853.0059-00000
; CURRENT FILING DATE: 2004-04-09
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: US/09/763,590
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: PCT/JP99/04718
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: JP 10/244755
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 95
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
; OTHER INFORMATION: sequence of the transcript of human placental cRNA Val
US-10-820-820-4

Handwritten signature

Query Match 100.0%; Score 95; DB 18; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.7e-26;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Db 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Qy 61 UUCGAAACCGGGCGGAAACAAAGACAGUGCCUUU 95
Db 61 UUCGAAACCGGGCGGAAACAAAGACAGUGCCUUU 95

RESULT 3

US-09-974-974-5
; Sequence 5, Application US/09974974
; Publication No. US20030013095A1
; GENERAL INFORMATION:
; APPLICANT: Kazumari TAIRA
; APPLICANT: Masashi WARASHINA
; APPLICANT: Tomoko WARASHINA
; TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
; TITLE OF INVENTION: target RNA by recognizing another molecule
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/974,974
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: JP 2000-313320
; PRIOR FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 88
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: tRNAVal promoter sequence

US-09-974-974-5

Query Match 78.7%; Score 74.8; DB 10; Length 88;
Best Local Similarity 91.9%; Pred. No. 2.3e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Db 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Qy 61 UUCGAAACCGGGCGGAAACAAAGACA 86
Db 61 UUCGAAACCGGGCGGAAACAAAGACA 86

RESULT 4

US-10-475-851A-3
; Sequence 3, Application US/10475851A
; Publication No. US20040248114A1
; GENERAL INFORMATION:
; APPLICANT: TAIRA, Kazumari
; APPLICANT: WARASHINA, Tomoko
; APPLICANT: WARASHINA, Masaki
; APPLICANT: KAWASAKI, Hiroaki
; APPLICANT: HARA, Toshifumi
; APPLICANT: NOZAWA, Iwao
; TITLE OF INVENTION: Novel Maxizyme
; FILE REFERENCE: P24426
; CURRENT APPLICATION NUMBER: US/10/475,851A
; CURRENT FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: PCT/JP02/04322
; PRIOR FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 88
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-475-851A-3

Query Match 78.7%; Score 74.8; DB 18; Length 88;
Best Local Similarity 91.9%; Pred. No. 2.3e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Db 1 ACCGUGUGUCCGUGAGUGUUAUACGUGCCUACACGCGAAGGUCGCCG 60
Qy 61 UUCGAAACCGGGCGGAAACAAAGACA 86
Db 61 UUCGAAACCGGGCGGAAACAAAGACA 86

RESULT 5

US-09-974-974-17
; Sequence 17, Application US/09974974
; Publication No. US20030013095A1
; GENERAL INFORMATION:
; APPLICANT: Kazumari TAIRA
; APPLICANT: Masashi WARASHINA
; APPLICANT: Tomoko WARASHINA
; TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
; TITLE OF INVENTION: target RNA by recognizing another molecule
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/974,974
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: JP 2000-313320
; PRIOR FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 138
; TYPE: RNA

```
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: tRNAVal T-MzL
US-09-974-974-17

Query Match          78.7%; Score 74.8; DB 10; Length 138;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
DB 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
61 UUCGAAACCGGGCGGAAACAAAGACA 86

Db 61 UUCGAAACCGGGCGGACUACAAACCA 86

RESULT 6
US-10-361-028-52
/ Sequence 52, Application US/10361028
/ Publication No. US20030199471A1
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: MARASHINA, MASAKI
/ APPLICANT: KUMABARA, TOMOKO
/ APPLICANT: KAWASAKI, HIROAKI
/ TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
/ FILE REFERENCE: 081356/0151
/ CURRENT APPLICATION NUMBER: US/10/361,028
/ CURRENT FILING DATE: 2003-02-10
/ PRIOR APPLICATION NUMBER: US/09/704,525
/ PRIOR FILING DATE: 2000-11-03
/ PRIOR APPLICATION NUMBER: JP 316133/1999
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 56
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 52
/ LENGTH: 141
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
US-10-361-028-52

Query Match          78.7%; Score 74.8; DB 16; Length 141;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
DB 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
61 UUCGAAACCGGGCGGAAACAAAGACA 86

Db 61 UUCGAAACCGGGCGGACUACAAACCA 86

RESULT 7
US-10-361-028-49
/ Sequence 49, Application US/10361028
/ Publication No. US20030199471A1
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: MARASHINA, MASAKI
/ APPLICANT: KUMABARA, TOMOKO
/ APPLICANT: KAWASAKI, HIROAKI
/ TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
/ FILE REFERENCE: 081356/0151
/ CURRENT APPLICATION NUMBER: US/10/361,028
/ CURRENT FILING DATE: 2003-02-10
/ PRIOR APPLICATION NUMBER: US/09/704,525
```

```
/ PRIOR FILING DATE: 2000-11-03
/ PRIOR APPLICATION NUMBER: JP 316133/1999
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 56
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 49
/ LENGTH: 142
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
US-10-361-028-49

Query Match          78.7%; Score 74.8; DB 16; Length 142;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
DB 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
61 UUCGAAACCGGGCGGAAACAAAGACA 86

Db 61 UUCGAAACCGGGCGGACUACAAACCA 86

RESULT 8
US-10-361-028-50
/ Sequence 50, Application US/10361028
/ Publication No. US20030199471A1
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: MARASHINA, MASAKI
/ APPLICANT: KUMABARA, TOMOKO
/ APPLICANT: KAWASAKI, HIROAKI
/ TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
/ FILE REFERENCE: 081356/0151
/ CURRENT APPLICATION NUMBER: US/10/361,028
/ CURRENT FILING DATE: 2003-02-10
/ PRIOR APPLICATION NUMBER: US/09/704,525
/ PRIOR FILING DATE: 2000-11-03
/ PRIOR APPLICATION NUMBER: JP 316133/1999
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 56
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 50
/ LENGTH: 142
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
US-10-361-028-50

Query Match          78.7%; Score 74.8; DB 16; Length 142;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
DB 1 ACCGUGUGUUCGUGAGUGUUAUCACGUGCCUAAACGCGAAAGGUGCCCGG 60
61 UUCGAAACCGGGCGGAAACAAAGACA 86

Db 61 UUCGAAACCGGGCGGACUACAAACCA 86

RESULT 9
US-10-361-028-51
/ Sequence 51, Application US/10361028
/ Publication No. US20030199471A1
/ GENERAL INFORMATION:
```

```
APPLICANT: TAIRA, KAZUNARI
APPLICANT: MARASHINA, MASAKI
APPLICANT: KUMABARA, TOMOKO
APPLICANT: KAWASAKI, HIROAKI
TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
FILE REFERENCE: 081356/0151
CURRENT APPLICATION NUMBER: US/10/361,028
CURRENT FILING DATE: 2003-02-10
PRIOR APPLICATION NUMBER: US/09/704,525
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: JP 316133/1999
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 51
LENGTH: 142
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
US-10-361-028-51
```

```
Query Match      78.7%; Score 74.8; DB 16; Length 142;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```
QY 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
DB 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
QY 61 UUCGAAACCGGGCGGAAACAAACGA 86
DB 61 UUCGAAACCGGGCGGACUACAAACCA 86
```

RESULT 10

```
US-10-361-028-53
Sequence 53, Application US/10361028
Publication No. US20030199471A1
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: MARASHINA, MASAKI
APPLICANT: KUMABARA, TOMOKO
APPLICANT: KAWASAKI, HIROAKI
TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
FILE REFERENCE: 081356/0151
CURRENT APPLICATION NUMBER: US/10/361,028
CURRENT FILING DATE: 2003-02-10
PRIOR APPLICATION NUMBER: US/09/704,525
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: JP 316133/1999
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 53
LENGTH: 142
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
US-10-361-028-53
```

```
Query Match      78.7%; Score 74.8; DB 16; Length 142;
Best Local Similarity 91.9%; Pred. No. 2.5e-18;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```
QY 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
DB 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
QY 61 UUCGAAACCGGGCGGAAACAAACGA 86
```

```
DB 61 UUCGAAACCGGGCGGACUACAAACCA 86
```

RESULT 11

```
US-10-820-820-3
Sequence 3, Application US/10820820
Publication No. US20040198689A1
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OKAWA, JUN
APPLICANT: KOSERI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/10/820,820
CURRENT FILING DATE: 2004-04-09
PRIOR APPLICATION NUMBER: US/09/763,590
PRIOR FILING DATE: 2001-02-26
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 128
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
US-10-820-820-3
```

```
Query Match      77.9%; Score 74; DB 18; Length 128;
Best Local Similarity 93.9%; Pred. No. 4.9e-18;
Matches 77; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
DB 1 ACCGUGGUGUUGUGUAGUGUAGUACGUGGCGGAAAGGUGCCCGG 60
```

```
QY 61 UUCGAAACCGGGCGGAAACAA 82
DB 61 UUCGAAACCGGGCGGACCCACACA 82
```

RESULT 12

```
US-10-820-820-1
Sequence 1, Application US/10820820
Publication No. US20040198689A1
GENERAL INFORMATION:
APPLICANT: TAIRA, KAZUNARI
APPLICANT: OKAWA, JUN
APPLICANT: KOSERI, SHIORI
TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
FILE REFERENCE: 04853.0059-00000
CURRENT APPLICATION NUMBER: US/10/820,820
CURRENT FILING DATE: 2004-04-09
PRIOR APPLICATION NUMBER: US/09/763,590
PRIOR FILING DATE: 2001-02-26
PRIOR APPLICATION NUMBER: PCT/JP99/04718
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: JP 10/244755
PRIOR FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 135
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
```

OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
OTHER INFORMATION: Sequence of R22
US-10-820-820-1

Query Match 76.8%; Score 73; DB 18; Length 135;
Best Local Similarity 93.8%; Pred. No. 1.2e-17;
Matches 76; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60
DB 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60

QY 61 UUCGAAACCGGCGGCAACAA 81
DB 61 UUCGAAACCGGCGGCAACAA 81

RESULT 13

US-10-820-820-2
Sequence 2, Application US/10820820
Publication No. US20040198689A1

GENERAL INFORMATION:

APPLICANT: TAIRA, KAZUNARI

APPLICANT: OHKAWA, JUN

APPLICANT: KOSAKI, SHIORI

TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL

FILE REFERENCE: 04853.0059-00000

CURRENT APPLICATION NUMBER: US/10/820,820

CURRENT FILING DATE: 2004-04-09

PRIOR APPLICATION NUMBER: US/09/763,590

PRIOR FILING DATE: 2001-02-26

PRIOR APPLICATION NUMBER: PCT/JP99/04718

PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: JP 10/244755

PRIOR FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 2

LENGTH: 141

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Nucleotide

US-10-820-820-2

Query Match 76.8%; Score 73; DB 18; Length 141;
Best Local Similarity 93.8%; Pred. No. 1.2e-17;
Matches 76; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60
DB 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60

QY 61 UUCGAAACCGGCGGCAACAA 81
DB 61 UUCGAAACCGGCGGCAACAA 81

RESULT 14

US-10-820-820-5
Sequence 5, Application US/10820820
Publication No. US20040198689A1

GENERAL INFORMATION:

APPLICANT: TAIRA, KAZUNARI

APPLICANT: OHKAWA, JUN

APPLICANT: KOSAKI, SHIORI

TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL

FILE REFERENCE: 04853.0059-00000

CURRENT APPLICATION NUMBER: US/10/820,820

CURRENT FILING DATE: 2004-04-09

PRIOR APPLICATION NUMBER: US/09/763,590

PRIOR FILING DATE: 2001-02-26

PRIOR APPLICATION NUMBER: PCT/JP99/04718

PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: JP 10/244755

PRIOR FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 5

LENGTH: 149

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Nucleotide

US-10-820-820-5

Query Match 73.5%; Score 69.8; DB 18; Length 149;
Best Local Similarity 97.3%; Pred. No. 2e-16;
Matches 71; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60
DB 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60

QY 61 UUCGAAACCGGCGG 73
DB 61 UUCGAAACCGGCGG 73

RESULT 15

US-10-820-820-7/c
Sequence 7, Application US/10820820
Publication No. US20040198689A1

GENERAL INFORMATION:

APPLICANT: TAIRA, KAZUNARI

APPLICANT: OHKAWA, JUN

APPLICANT: KOSAKI, SHIORI

TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL

FILE REFERENCE: 04853.0059-00000

CURRENT APPLICATION NUMBER: US/10/820,820

CURRENT FILING DATE: 2004-04-09

PRIOR APPLICATION NUMBER: US/09/763,590

PRIOR FILING DATE: 2001-02-26

PRIOR APPLICATION NUMBER: PCT/JP99/04718

PRIOR FILING DATE: 1998-08-31

PRIOR APPLICATION NUMBER: JP 10/244755

PRIOR FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 7

LENGTH: 113

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Sequence of an

US-10-820-820-7

Query Match 70.3%; Score 66.8; DB 18; Length 113;
Best Local Similarity 71.4%; Pred. No. 2.6e-15;
Matches 50; Conservative 18; Mismatches 2; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 60
DB 71 ACCGUGUGUUCGAGUGUGUUAUACAGUUGCCUAAACGCGAAAGGUCGCGG 12

QY 61 UUCGAAACCG 70
DB 11 TTGGAAGTCG 2

Tue Feb 22 13:22:42 2005

us-10-820-820-4.tmpb

Page 6

Search completed: February 18, 2005, 23:26:29
Job time : 314 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Comphen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 18, 2005, 21:34:12 ; Search time 2446 Seconds
(without alignments)

1585.523 Million cell updates/sec

Title: US-10-820-820-4

Perfect score: 95
Sequence: 1 accguguguuucguguguu.....aaacaagacagucgcuuuu 95

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 45554873 seqs, 20411521753 residues

Total number of hits satisfying chosen parameters: 41414866

Minimum DB seq length: 0
Maximum DB seq length: 150

Foot-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Pending Patents NA Main:*

- 1: /cgn2_6/ptodata/1/pna/PCTUS1.COMB.seq.*
- 2: /cgn2_6/ptodata/1/pna/PCTUS2.COMB.seq.*
- 3: /cgn2_6/ptodata/1/pna/PCTUS3.COMB.seq.*
- 4: /cgn2_6/ptodata/1/pna/PCTUS4.COMB.seq.*
- 5: /cgn2_6/ptodata/1/pna/PCTUS5.COMB.seq.*
- 6: /cgn2_6/ptodata/1/pna/PCTUS6.COMB.seq.*
- 7: /cgn2_6/ptodata/1/pna/PCTUS7.COMB.seq.*
- 8: /cgn2_6/ptodata/1/pna/PCTUS8.COMB.seq.*
- 9: /cgn2_6/ptodata/1/pna/PCTUS9.COMB.seq.*
- 10: /cgn2_6/ptodata/1/pna/PCTUS10.COMB.seq.*
- 11: /cgn2_6/ptodata/1/pna/PCTUS11.COMB.seq.*
- 12: /cgn2_6/ptodata/1/pna/PCTUS12.COMB.seq.*
- 13: /cgn2_6/ptodata/1/pna/PCTUS13.COMB.seq.*
- 14: /cgn2_6/ptodata/1/pna/PCTUS14.COMB.seq.*
- 15: /cgn2_6/ptodata/1/pna/PCTUS15.COMB.seq.*
- 16: /cgn2_6/ptodata/1/pna/PCTUS16.COMB.seq.*
- 17: /cgn2_6/ptodata/1/pna/PCTUS17.COMB.seq.*
- 18: /cgn2_6/ptodata/1/pna/PCTUS18.COMB.seq.*
- 19: /cgn2_6/ptodata/1/pna/PCTUS19.COMB.seq.*
- 20: /cgn2_6/ptodata/1/pna/PCTUS20.COMB.seq.*
- 21: /cgn2_6/ptodata/1/pna/PCTUS21.COMB.seq.*
- 22: /cgn2_6/ptodata/1/pna/PCTUS22.COMB.seq.*
- 23: /cgn2_6/ptodata/1/pna/PCTUS23.COMB.seq.*
- 24: /cgn2_6/ptodata/1/pna/PCTUS24.COMB.seq.*
- 25: /cgn2_6/ptodata/1/pna/PCTUS25.COMB.seq.*
- 26: /cgn2_6/ptodata/1/pna/PCTUS26.COMB.seq.*
- 27: /cgn2_6/ptodata/1/pna/PCTUS27.COMB.seq.*
- 28: /cgn2_6/ptodata/1/pna/PCTUS28.COMB.seq.*
- 29: /cgn2_6/ptodata/1/pna/PCTUS29.COMB.seq.*
- 30: /cgn2_6/ptodata/1/pna/PCTUS30.COMB.seq.*
- 31: /cgn2_6/ptodata/1/pna/PCTUS31.COMB.seq.*
- 32: /cgn2_6/ptodata/1/pna/PCTUS32.COMB.seq.*
- 33: /cgn2_6/ptodata/1/pna/PCTUS33.COMB.seq.*
- 34: /cgn2_6/ptodata/1/pna/PCTUS34.COMB.seq.*
- 35: /cgn2_6/ptodata/1/pna/PCTUS35.COMB.seq.*
- 36: /cgn2_6/ptodata/1/pna/PCTUS36.COMB.seq.*
- 37: /cgn2_6/ptodata/1/pna/PCTUS37.COMB.seq.*
- 38: /cgn2_6/ptodata/1/pna/PCTUS38.COMB.seq.*
- 39: /cgn2_6/ptodata/1/pna/PCTUS39.COMB.seq.*
- 40: /cgn2_6/ptodata/1/pna/PCTUS40.COMB.seq.*
- 41: /cgn2_6/ptodata/1/pna/PCTUS41.COMB.seq.*
- 42: /cgn2_6/ptodata/1/pna/PCTUS42.COMB.seq.*
- 43: /cgn2_6/ptodata/1/pna/PCTUS43.COMB.seq.*

- 44: /cgn2_6/ptodata/1/pna/PCTUS44.COMB.seq.*
- 45: /cgn2_6/ptodata/1/pna/PCTUS45.COMB.seq.*
- 46: /cgn2_6/ptodata/1/pna/PCTUS46.COMB.seq.*
- 47: /cgn2_6/ptodata/1/pna/PCTUS47.COMB.seq.*
- 48: /cgn2_6/ptodata/1/pna/PCTUS48.COMB.seq.*
- 49: /cgn2_6/ptodata/1/pna/PCTUS49.COMB.seq.*
- 50: /cgn2_6/ptodata/1/pna/PCTUS50.COMB.seq.*
- 51: /cgn2_6/ptodata/1/pna/PCTUS51.COMB.seq.*
- 52: /cgn2_6/ptodata/1/pna/PCTUS52.COMB.seq.*
- 53: /cgn2_6/ptodata/1/pna/PCTUS53.COMB.seq.*
- 54: /cgn2_6/ptodata/1/pna/PCTUS54.COMB.seq.*
- 55: /cgn2_6/ptodata/1/pna/PCTUS55.COMB.seq.*
- 56: /cgn2_6/ptodata/1/pna/PCTUS56.COMB.seq.*
- 57: /cgn2_6/ptodata/1/pna/PCTUS57.COMB.seq.*
- 58: /cgn2_6/ptodata/1/pna/PCTUS58.COMB.seq.*
- 59: /cgn2_6/ptodata/1/pna/PCTUS59.COMB.seq.*
- 60: /cgn2_6/ptodata/1/pna/PCTUS60.COMB.seq.*
- 61: /cgn2_6/ptodata/1/pna/PCTUS61.COMB.seq.*
- 62: /cgn2_6/ptodata/1/pna/PCTUS62.COMB.seq.*
- 63: /cgn2_6/ptodata/1/pna/PCTUS63.COMB.seq.*
- 64: /cgn2_6/ptodata/1/pna/PCTUS64.COMB.seq.*
- 65: /cgn2_6/ptodata/1/pna/PCTUS65.COMB.seq.*
- 66: /cgn2_6/ptodata/1/pna/PCTUS66.COMB.seq.*
- 67: /cgn2_6/ptodata/1/pna/PCTUS67.COMB.seq.*
- 68: /cgn2_6/ptodata/1/pna/PCTUS68.COMB.seq.*
- 69: /cgn2_6/ptodata/1/pna/PCTUS69.COMB.seq.*
- 70: /cgn2_6/ptodata/1/pna/PCTUS70.COMB.seq.*
- 71: /cgn2_6/ptodata/1/pna/PCTUS71.COMB.seq.*
- 72: /cgn2_6/ptodata/1/pna/PCTUS72.COMB.seq.*
- 73: /cgn2_6/ptodata/1/pna/PCTUS73.COMB.seq.*
- 74: /cgn2_6/ptodata/1/pna/PCTUS74.COMB.seq.*
- 75: /cgn2_6/ptodata/1/pna/PCTUS75.COMB.seq.*
- 76: /cgn2_6/ptodata/1/pna/PCTUS76.COMB.seq.*
- 77: /cgn2_6/ptodata/1/pna/PCTUS77.COMB.seq.*
- 78: /cgn2_6/ptodata/1/pna/PCTUS78.COMB.seq.*
- 79: /cgn2_6/ptodata/1/pna/PCTUS79.COMB.seq.*
- 80: /cgn2_6/ptodata/1/pna/PCTUS80.COMB.seq.*
- 81: /cgn2_6/ptodata/1/pna/PCTUS81.COMB.seq.*
- 82: /cgn2_6/ptodata/1/pna/PCTUS82.COMB.seq.*
- 83: /cgn2_6/ptodata/1/pna/PCTUS83.COMB.seq.*
- 84: /cgn2_6/ptodata/1/pna/PCTUS84.COMB.seq.*
- 85: /cgn2_6/ptodata/1/pna/PCTUS85.COMB.seq.*
- 86: /cgn2_6/ptodata/1/pna/PCTUS86.COMB.seq.*
- 87: /cgn2_6/ptodata/1/pna/PCTUS87.COMB.seq.*
- 88: /cgn2_6/ptodata/1/pna/PCTUS88.COMB.seq.*
- 89: /cgn2_6/ptodata/1/pna/PCTUS89.COMB.seq.*
- 90: /cgn2_6/ptodata/1/pna/PCTUS90.COMB.seq.*
- 91: /cgn2_6/ptodata/1/pna/PCTUS91.COMB.seq.*
- 92: /cgn2_6/ptodata/1/pna/PCTUS92.COMB.seq.*
- 93: /cgn2_6/ptodata/1/pna/PCTUS93.COMB.seq.*
- 94: /cgn2_6/ptodata/1/pna/PCTUS94.COMB.seq.*
- 95: /cgn2_6/ptodata/1/pna/PCTUS95.COMB.seq.*
- 96: /cgn2_6/ptodata/1/pna/PCTUS96.COMB.seq.*
- 97: /cgn2_6/ptodata/1/pna/PCTUS97.COMB.seq.*
- 98: /cgn2_6/ptodata/1/pna/PCTUS98.COMB.seq.*
- 99: /cgn2_6/ptodata/1/pna/PCTUS99.COMB.seq.*
- 100: /cgn2_6/ptodata/1/pna/PCTUS100.COMB.seq.*
- 101: /cgn2_6/ptodata/1/pna/PCTUS101.COMB.seq.*
- 102: /cgn2_6/ptodata/1/pna/PCTUS102.COMB.seq.*
- 103: /cgn2_6/ptodata/1/pna/PCTUS103.COMB.seq.*
- 104: /cgn2_6/ptodata/1/pna/PCTUS104.COMB.seq.*
- 105: /cgn2_6/ptodata/1/pna/PCTUS105.COMB.seq.*
- 106: /cgn2_6/ptodata/1/pna/PCTUS106.COMB.seq.*
- 107: /cgn2_6/ptodata/1/pna/PCTUS107.COMB.seq.*
- 108: /cgn2_6/ptodata/1/pna/PCTUS108.COMB.seq.*
- 109: /cgn2_6/ptodata/1/pna/PCTUS109.COMB.seq.*
- 110: /cgn2_6/ptodata/1/pna/PCTUS110.COMB.seq.*
- 111: /cgn2_6/ptodata/1/pna/PCTUS111.COMB.seq.*
- 112: /cgn2_6/ptodata/1/pna/PCTUS112.COMB.seq.*
- 113: /cgn2_6/ptodata/1/pna/PCTUS113.COMB.seq.*
- 114: /cgn2_6/ptodata/1/pna/PCTUS114.COMB.seq.*
- 115: /cgn2_6/ptodata/1/pna/PCTUS115.COMB.seq.*
- 116: /cgn2_6/ptodata/1/pna/PCTUS116.COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	95	100.0	95	32	US-09-704-525-8
2	95	100.0	95	32	US-09-718-098-15
3	95	100.0	95	53	US-10-361-028-8
4	95	100.0	95	63	US-10-820-820-4
5	74.8	78.7	88	28	US-09-623-932-3
6	74.8	78.7	88	28	US-09-623-932A-3
7	74.8	78.7	88	44	US-09-974-974-5
8	74.8	78.7	88	55	US-10-475-851A-3
9	74.8	78.7	88	56	US-10-512-386-1
10	74.8	78.7	91	32	US-09-718-098-16
11	74.8	78.7	128	28	US-09-623-932A-20
12	74.8	78.7	135	28	US-09-623-932A-18
13	74.8	78.7	137	45	US-09-984-198A-2
14	74.8	78.7	138	44	US-09-974-974-17
15	74.8	78.7	141	32	US-09-704-525-52
16	74.8	78.7	141	53	US-10-361-028-52
17	74.8	78.7	142	32	US-09-704-525-49
18	74.8	78.7	142	32	US-09-704-525-50
19	74.8	78.7	142	32	US-09-704-525-51
20	74.8	78.7	142	32	US-09-704-525-53
21	74.8	78.7	142	53	US-10-361-028-49
22	74.8	78.7	142	53	US-10-361-028-50
23	74.8	78.7	142	53	US-10-361-028-51
24	74.8	78.7	142	53	US-10-361-028-53
25	74.8	78.7	142	53	US-10-820-820-1
26	74.8	78.7	142	53	US-10-820-820-2
27	74.8	78.7	142	53	US-10-820-820-5
28	69.8	70.3	113	63	US-10-820-820-7
29	66.8	69.5	110	63	US-10-820-820-6
30	66.8	69.5	110	63	US-10-820-820-7
31	63	66.3	64	2	PCT-US03-40292-57
32	61.8	65.1	69	16	US-09-047-925-3336
33	61.8	65.1	69	16	US-09-047-925-3336
34	61.8	65.1	69	25	US-09-540-765-43340
35	41	43.2	73	114	US-60-445-574-118
36	40.8	42.1	73	79	US-60-615-573-3
37	38.8	40.8	129	22	US-09-450-969-3090
38	38.8	40.8	129	62	US-10-724-972A-3090
39	38.4	40.4	73	79	US-60-615-573-10841
40	38.4	40.4	138	22	US-09-450-969-2465
41	38.4	40.4	138	62	US-10-724-972A-2465
42	35.2	37.1	73	64	US-10-857-625-384
43	35.2	37.1	73	64	US-10-857-625-404
44	35.2	37.1	73	64	US-10-857-625-407
45	35.2	37.1	73	64	US-10-859-198-3224

ALIGNMENTS

```
RESULT 1
US-09-704-525-8
; Sequence 8 Application US/09704525
; GENERAL INFORMATION:
; APPLICANT: TAIWA, KAZUNARI
; APPLICANT: WAKASHINA, MASAKI
; APPLICANT: KUMABARA, TOMOKO
; APPLICANT: KAWASAKI, HIROAKI
; TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
; FILE REFERENCE: 08156/0151
; CURRENT APPLICATION NUMBER: US/09/704,525
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: JP 316133/1999
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 95
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
; OTHER INFORMATION: sequence of the transcript of the human placental CRNAval
US-09-704-525-8

Query Match 100.0% Score 95; DB 32; Length 95;
Best Local Similarity 100.0%; Pred. No. 4e-25;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCGUGUUGUUCGUGUAGUGUUAUACAGUCGUCGUAACAGCGAAGGUCGCCGG 60
Db 1 ACCGUGUUGUUCGUGUAGUGUUAUACAGUCGUCGUAACAGCGAAGGUCGCCGG 60
61 UUCGAAACCGGCGGAAACAAAGACAGUCGUCUUU 95
61 UUCGAAACCGGCGGAAACAAAGACAGUCGUCUUU 95

RESULT 2
US-09-718-098-15
; Sequence 15 Application US/09718098
; GENERAL INFORMATION:
; APPLICANT: TANAKA, MANAMI
; TITLE OF INVENTION: RIBOZYMES TARGETING BRADEION TRANSCRIPTS AND USE
; FILE REFERENCE: 08156/0155
; CURRENT APPLICATION NUMBER: US/09/718,098
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 95
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: tRNA(Val) promoter
US-09-718-098-15

Query Match 100.0% Score 95; DB 32; Length 95;
Best Local Similarity 100.0%; Pred. No. 4e-25;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCGUGUUGUUCGUGUAGUGUUAUACAGUCGUCGUAACAGCGAAGGUCGCCGG 60
Db 1 ACCGUGUUGUUCGUGUAGUGUUAUACAGUCGUCGUAACAGCGAAGGUCGCCGG 60
61 UUCGAAACCGGCGGAAACAAAGACAGUCGUCUUU 95
61 UUCGAAACCGGCGGAAACAAAGACAGUCGUCUUU 95
```

```
/ Sequence 8, Application US/10361028
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: MARASHINA, MASAKI
/ APPLICANT: KIMABARA, TOMOKO
/ APPLICANT: KIMASAKI, HIROKI
/ TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
/ FILE REFERENCE: 081356/0151
/ CURRENT APPLICATION NUMBER: US/10/361,028
/ PRIOR FILING DATE: 2003-02-10
/ PRIOR APPLICATION NUMBER: US/09/704,525
/ PRIOR FILING DATE: 2000-11-03
/ PRIOR APPLICATION NUMBER: JP 316133/1999
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 56
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 95
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
/ OTHER INFORMATION: sequence of the transcript of the human placental CRNAval
US-10-361-028-8

Query Match          100.0%; Score 95; DB 53; Length 95;
Best Local Similarity 100.0%; Pred. No. 4e-25;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Db 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Qy 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95
Db 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95

RESULT 4
US-10-820-820-4
/ Sequence 4, Application US/10820820
/ GENERAL INFORMATION:
/ APPLICANT: TAIRA, KAZUNARI
/ APPLICANT: OHKAWA, JUN
/ APPLICANT: KOSAKI, SHIORI
/ TITLE OF INVENTION: EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL
/ TITLE OF INVENTION: NUCLEIC ACIDS
/ FILE REFERENCE: 04853.0059-00000
/ CURRENT APPLICATION NUMBER: US/10/820,820
/ CURRENT FILING DATE: 2004-04-09
/ PRIOR APPLICATION NUMBER: US/09/763,590
/ PRIOR FILING DATE: 2001-02-26
/ PRIOR APPLICATION NUMBER: PCT/JP99/04718
/ PRIOR FILING DATE: 1999-08-31
/ PRIOR APPLICATION NUMBER: JP 10/244755
/ PRIOR FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ LENGTH: 95
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
/ OTHER INFORMATION: sequence of the transcript of human placental tRNA Val
US-10-820-820-4

Query Match          100.0%; Score 95; DB 63; Length 95;
Best Local Similarity 100.0%; Pred. No. 4e-25;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Db 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
```

```
Db 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Qy 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95
Db 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95

RESULT 5
US-09-623-932-3
/ Sequence 3, Application US/09623932
/ GENERAL INFORMATION:
/ APPLICANT: DIRECTOR-GENERAL OF INDUS. SCIENCE & TECH. AGENCY
/ APPLICANT: TAISHO PHARMACEUTICAL CO., LTD.
/ TITLE OF INVENTION: NUCLEIC ACID ENZYME HAVING ALLOSTERIC RNA-CLEAVING
/ TITLE OF INVENTION: ACTIVITY ON TARGET RNA
/ FILE REFERENCE: 060764
/ CURRENT APPLICATION NUMBER: US/09/623,932
/ CURRENT FILING DATE: 2000-09-12
/ NUMBER OF SEQ ID NOS: 4
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 3
/ LENGTH: 88
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: The nucleotide
/ OTHER INFORMATION: sequence of tRNAval
US-09-623-932-3

Query Match          78.7%; Score 74.8; DB 28; Length 88;
Best Local Similarity 91.9%; Pred. No. 1.8e-17;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Db 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Qy 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95
Db 61 UUCGAAACCGGCGGGAACAAAGACAGUCGCUUUU 95

RESULT 6
US-09-623-932A-3
/ Sequence 3, Application US/09623932A
/ GENERAL INFORMATION:
/ APPLICANT: Taisho Pharmaceutical Co., Ltd.
/ APPLICANT: Japan as rep'd by Secretary of Agency of Industrial Science and Technol.
/ TITLE OF INVENTION: Nucleic acid enzyme having allosteric RNA-cleaving activity on
/ FILE REFERENCE: 060764
/ CURRENT APPLICATION NUMBER: US/09/623,932A
/ CURRENT FILING DATE: 2000-09-12
/ PRIOR APPLICATION NUMBER: JP 60969/1998
/ PRIOR FILING DATE: 1998-03-12
/ PRIOR APPLICATION NUMBER: JP 311098/1998
/ PRIOR FILING DATE: 1998-10-30
/ PRIOR APPLICATION NUMBER: PCT/JP99/01187
/ PRIOR FILING DATE: 1999-03-11
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 3
/ LENGTH: 88
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Nucleotide sequence of tRNAval
US-09-623-932A-3

Query Match          78.7%; Score 74.8; DB 28; Length 88;
Best Local Similarity 91.9%; Pred. No. 1.8e-17;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
Db 1 ACCGUGGUGUUCGUGAGUGUAGUGUUAUACAGUUCGCCUAAACAGCGAAGGUGCCCGG 60
```

Db 1 ACCGTTGGGTTCCGTTAGTGTGTTGTTTATTCAGTCCGTTACACCGGTAATGGTCCCCCG 60

QY 61 TTGCAAACTGGGCGGTAATCAAGAACA 86

Db 61 TTGCAAACTGGGCGGTAATCAAAAACCA 86

RESULT 7

```

US-09-974-974-5
: Sequence 5, Application US/09974974
: GENERAL INFORMATION:
: APPLICANT: Kazunari TAIRA
: APPLICANT: Masaashi WARASHINA
: APPLICANT: Tomoko WARASHINA
: TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
: TITLE OF INVENTION: target RNA by recognizing another molecule
: FILE REFERENCE:
: CURRENT APPLICATION NUMBER: US/09/974, 974
: CURRENT FILING DATE: 2002-03-14
: PRIOR APPLICATION NUMBER: JP 2000-313320
: PRIOR FILING DATE: 2000-10-13
: NUMBER OF SEQ ID NOS: 17
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 5
: LENGTH: 88
: TYPE: RNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: tRNAval promoter sequence
: US-09-974-974-5

```

RESULT 8

```

US-10-475-851A-3
: Sequence 3. Application US/10475851A
: GENERAL INFORMATION:
: APPLICANT: TAIRA, Kazunari
: APPLICANT: MARASHINA, Tomoko
: APPLICANT: MARASHINA, Misaaki
: APPLICANT: KAWASAKI, Hiroaki
: APPLICANT: HARA, Toshifumi
: APPLICANT: NOZAMA, Iwao
: TITLE OF INVENTION: Novel Maxizyme
: FILE REFERENCE: P24426
: CURRENT APPLICATION NUMBER: US/10/475, 851A
: CURRENT FILING DATE: 2003-10-31
: PRIOR APPLICATION NUMBER: PCT/JP02/04322
: PRIOR FILING DATE: 2002-04-30
: NUMBER OF SEQ ID NOS: 8
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 3
: LENGTH: 88
: TYPE: RNA
: ORGANISM: Homo sapiens
: US-10-475-851A-3

```

RESULT 9

```

US-10-512-386-1
: Sequence 1, Application US/10512386
:
: GENERAL INFORMATION:
: APPLICANT: NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
: TITLE OF INVENTION: EXPRESSION SYSTEM FOR STEM-LOOP RNA MOLECULES HAVING RNAI EFFECT
: FILE REFERENCE: GR0-A02031P
: CURRENT APPLICATION NUMBER: US/10/512.386
: CURRENT FILING DATE: 2004-10-25
: PRIOR APPLICATION NUMBER: JP 2002-127089
: PRIOR FILING DATE: 2002-04-26
: PRIOR APPLICATION NUMBER: JP 2003-4706
: PRIOR FILING DATE: 2003-01-10
: PRIOR APPLICATION NUMBER: US 60/449,860
: PRIOR FILING DATE: 2003-02-27
: NUMBER OF SEQ ID NOS: 56
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 1
: LENGTH: 88
: TYPE: RNA
: ORGANISM: Homo sapiens
: US-10-512-386-1

```

RESULT 1

```

US-09-718-098-16
: Sequence 16, Application US/09718098
:
: GENERAL INFORMATION:
:   APPLICANT: TANAKA, YANAMI
:   TITLE OF INVENTION: RIBOZYMES TARGETING BRADEION TRANSCRIPTS AND USE
:   TITLE OF INVENTION: THEREOF
:   FILE REFERENCE: 081356/0155
:   CURRENT APPLICATION NUMBER: US/09/718,098
:   CURRENT FILING DATE: 2000-11-22
:   NUMBER OF SEQ ID NOS: 23
:   SOFTWARE: PatencIn Ver. 2.1
:   SEQ ID NO 16
:   LENGTH: 91
:   TYPE: DNA
:   ORGANISM: Artificial Sequence
:   FEATURE:
:   OTHER INFORMATION: Description of Artificial Sequence: A mutant tRNA(Val)
US-09-718-098-16

```

Qy 61 UUCGAAACCGGCGGAAACAAGACA 86
:::|||||
Db 61 TTCGAAACCGGCGACTACAAAACCA 86

RESULT 11
US-09-623-932A-20
; Sequence 20, Application US/09623932A
; GENERAL INFORMATION:
; APPLICANT: Taiho Pharmaceutical Co., Ltd.
; APPLICANT: Japan as rep'd by Secretary of Agency of Industrial Science and Technology
; TITLE OF INVENTION: Nucleic acid enzyme having allosteric RNA-cleaving activity on ta
; FILE REFERENCE: Q60764
; CURRENT APPLICATION NUMBER: US/09/623,932A
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: JP 60969/1998
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: JP 311098/1998
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: PCT/JP99/01187
; PRIOR FILING DATE: 1998-03-11
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 128
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Component of tRNAval-Mzr
US-09-623-932A-20

Query Match 78.7%; Score 74.8; DB 28; Length 128;
Best Local Similarity 91.9%; Pred. No. 2e-17; 7; Indels 0; Gaps 0;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
Db 61 UUCGAAACCGGCGGAAACAAGACA 86
61 UUCGAAACCGGCGGAAACAAGACA 86

RESULT 12
US-09-623-932A-18
; Sequence 18, Application US/09623932A
; GENERAL INFORMATION:
; APPLICANT: Taiho Pharmaceutical Co., Ltd.
; APPLICANT: Japan as rep'd by Secretary of Agency of Industrial Science and Technology
; TITLE OF INVENTION: Nucleic acid enzyme having allosteric RNA-cleaving activity on ta
; FILE REFERENCE: Q60764
; CURRENT APPLICATION NUMBER: US/09/623,932A
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: JP 60969/1998
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: JP 311098/1998
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: PCT/JP99/01187
; PRIOR FILING DATE: 1999-03-11
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 135
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Component of tRNAval-MzL
US-09-623-932A-18

Query Match 78.7%; Score 74.8; DB 28; Length 135;
Best Local Similarity 91.9%; Pred. No. 2e-17;

Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
Db 61 UUCGAAACCGGCGGAAACAAGACA 86
61 UUCGAAACCGGCGGAAACAAGACA 86

RESULT 13
US-09-984-198A-2
; Sequence 2, Application US/09984198A
; GENERAL INFORMATION:
; APPLICANT: Sano, Masayuki
; APPLICANT: Taiza, Kazunari
; TITLE OF INVENTION: METHODS FOR SELECTING HIGHLY FUNCTIONAL NUCLEIC ACID MOLECULES
; FILE REFERENCE: 4853.0080-00
; CURRENT APPLICATION NUMBER: US/09/984,198A
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 331347/2000
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 137
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequence of tRNA-Luc GUA Rz
; NAME/KEY: misc.feature
; LOCATION: (70)-(91)
; OTHER INFORMATION: 22mer random sequence
US-09-984-198A-2

Query Match 78.7%; Score 74.8; DB 45; Length 137;
Best Local Similarity 91.9%; Pred. No. 2e-17; 7; Indels 0; Gaps 0;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
1 ACCGUGUGUUCGUGAGUGUAGUGUUAUACAGUUGCCCUAACACGCGAAAGUCCCCCG 60
Db 61 UUCGAAACCGGCGGAAACAAGACA 86
61 UUCGAAACCGGCGGAAACAAGACA 86

RESULT 14
US-09-974-974-17
; Sequence 17, Application US/09974974
; GENERAL INFORMATION:
; APPLICANT: Kazunari TAIRA
; APPLICANT: Masashi WARASHINA
; APPLICANT: Tomoko WARASHINA
; TITLE OF INVENTION: Nucleic acid enzymes acquiring an activity for cleaving a
; FILE REFERENCE: target RNA by recognizing another molecule
; CURRENT APPLICATION NUMBER: US/09/974,974
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: JP 2000-313320
; PRIOR FILING DATE: 2000-10-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 138
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: tRNAval T-MzL

US-09-974-974-17

Query Match 78.7%; Score 74.8; DB 44; Length 138;
Best Local Similarity 91.9%; Pred. No. 2e-17; 7; Indels 0; Gaps 0;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUGUUAUCAGUCGUCGCUAACACGCGAAGGUCGCCCG 60
|||||
1 ACCGUGUGUUCGUGAGUGUGUUAUCAGUCGUCGCUAACACGCGAAGGUCGCCCG 60

QY 61 UUCGAAACCGGCGCAACAAAGCA 86
|||||
DB 61 UUCGAAACCGGCGCAACAAAGCA 86

RESULT 15

US-09-704-525-52

; Sequence 52, Application US/09704525
; GENERAL INFORMATION:
; APPLICANT: TAIRA, KAZUNARI
; APPLICANT: WABASHINA, MASAKI
; APPLICANT: KUMABARA, TOMOKO
; APPLICANT: KAWASAKI, HIROAKI
; TITLE OF INVENTION: FUNCTIONAL CHIMERIC MOLECULES CAPABLE OF SLIDING
; FILE REFERENCE: 081356/0151
; CURRENT APPLICATION NUMBER: US/09/704,525
; CURRENT FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: JP 316133/1999
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 141
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: the nucleotide
; OTHER INFORMATION: sequence of CYP R24
US-09-704-525-52

Query Match 78.7%; Score 74.8; DB 32; Length 141;
Best Local Similarity 91.9%; Pred. No. 2e-17; 7; Indels 0; Gaps 0;
Matches 79; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ACCGUGUGUUCGUGAGUGUGUUAUCAGUCGUCGCUAACACGCGAAGGUCGCCCG 60
|||||
DB 1 ACCGUGUGUUCGUGAGUGUGUUAUCAGUCGUCGCUAACACGCGAAGGUCGCCCG 60

QY 61 UUCGAAACCGGCGCAACAAAGCA 86
|||||
DB 61 UUCGAAACCGGCGCAACAAAGCA 86

Search completed: February 18, 2005, 23:15:43
Job time : 2448 secs